

Transaction Technology, Inc.

CITICORP 

3100 Ocean Park Blvd.
Santa Monica, CA
90405

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Standalone Card Processing for International Citicard (ICC) CAT Application Product Specification

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Standalone CAT Application Product Specification*,
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installation of Release ICC603.

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*Standalone Card Processing for International Citicard (ICC) CAT
Application Product Specification*

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Preface

This Application Product Specification (APS) is one of a series of TTI specifications that define the global CAT products and their ICC applications.

It supports the Global Consumer Bank's (GCB) requirements for Phase 5 of the Global ICC project. The intended audience is GCB and TTI development managers and staff.

This APS applies to, and provides standards for, all CAT and CAT-based Citibanking platforms, including CAT, DUCAT, PC CAT, and production Customer Activated Sales and Service Terminal (CASST).

This APS is organized as follows:

Chapter 1

Introduction

provides an overview of the Card Processing for the ICC Standalone CAT application. It also provides the definitions, terms, conventions, and application defaults used by this application.

Chapter 2

ICC Standalone Card Processing

provides screen flow diagrams and language screens for the Standalone Card Processing.

Appendix A

CAT Application Logs

lists the data elements logged for each Card Processing event.

Appendix B

CAT Administrative Functions

provides counter displays for withdrawals of all supported currency types.

Conventions

The following convention pertains to this publication:

Where the functionality for all CAT devices is identical, the term "CAT" is used.

Related Reading

The following documents are related to the subject matter of this publication:

- Transaction Technology, Inc., *Release Information Bulletin ICC603*, TTI-96-0001-03, TTI, Santa Monica, California, 1996.
- Transaction Technology, Inc., *Common CAT Configuration (CAT.ev) File Parameters*, TTI-96-0003-00, TTI, Santa Monica, California, 1996.
- Transaction Technology, Inc., *CAT/FEP Message-Level Interface Specification, Volume I—Common CAT*, TTI-95-0067-00, TTI, Santa Monica, California, 1996.
- Transaction Technology, Inc., *Common CAT 2 Network Error Codes*, TTI-95-0066-00, TTI, Santa Monica, California, 1996.
- Transaction Technology, Inc., *Common CAT 2 Specification*, TTI-94-0129-00, TTI, Santa Monica, California, 1995.
- Transaction Technology, Inc., *Global International Citicard (ICC) CAT Application Product Specification*, TTI-96-0037-00, TTI, Santa Monica, California, 1996.
- Transaction Technology, Inc., *Card Processing for Standalone ICC CAT Application Product Specification—Portuguese*, A-978, TTI, Santa Monica, California, 1996.
- Transaction Technology, Inc., *Card Processing for Standalone ICC CAT Application Product Specification—Chinese*, A-979, TTI, Santa Monica, California, 1996.
- Transaction Technology, Inc., *Card Processing for Standalone ICC CAT Application Product Specification—Italian*, A-980, TTI, Santa Monica, California, 1996.
- Transaction Technology, Inc., *Card Processing for Standalone ICC CAT Application Product Specification—Korean*, A-981, TTI, Santa Monica, California, 1996.
- Transaction Technology, Inc., *Card Processing for Standalone ICC CAT Application Product Specification—Japanese*, A-982, TTI, Santa Monica, California, 1996.
- Transaction Technology, Inc., *Card Processing for Standalone ICC CAT Application Product Specification—Greek*, A-983, TTI, Santa Monica, California, 1996.
- Transaction Technology, Inc., *Card Processing for Standalone ICC CAT Application Product Specification—French*, A-984, TTI, Santa Monica, California, 1996.

Transaction Technology, Inc., *Card Processing for Standalone ICC CAT Application Product Specification—German*, A-985, TTI, Santa Monica, California, 1996.

Transaction Technology, Inc., *Card Processing for Standalone ICC CAT Application Product Specification—Dutch*, A-986, TTI, Santa Monica, California, 1996.

Transaction Technology, Inc., *Card Processing for Standalone ICC CAT Application Product Specification—Spanish*, A-987, TTI, Santa Monica, California, 1996.

Transaction Technology, Inc., *Standard CAT Administrative Application Product Specification*, TTI-93-0002-03, TTI, Santa Monica, California, 1995.

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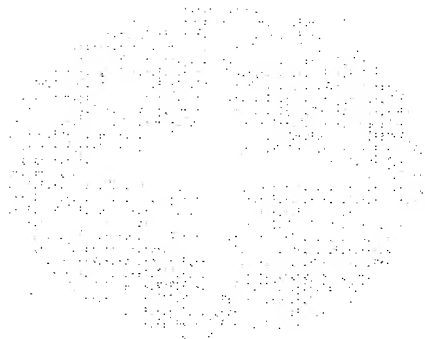
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*Standalone Card Processing for International Citicard (ICC) CAT
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Chapter 1

Introduction

This Application Product Specification (APS) is one of a series of TTI specifications that define the global CAT products and their ICC applications.

This APS is an adjunct to the main Global ICC specification (Global ICC CAT APS, document number TTI-96-0037), which supports the TTI business requirements for Phase 1 of the Global ICC product. The APS describes the software operation of the ICC Standalone Card Processing CAT application in the English language, which was developed as part of Release ICC603 (ICC Phase 5).

This APS describes the card processing performed for ICC customers when no local CAT application is available to perform it. It applies to, and provides standards for, all CAT, DUCAT, PC CAT, and production Customer Activated Sales and Service Terminals (CASST).

This chapter describes the following Card Processing functions:

- Definitions, Terms, and Conventions (Section 1.1)
- Application Defaults (Section 1.2)

1.1 Definitions, Terms, and Conventions

The following contains terms, definitions, and conventions found in this document.

1.1.1 Glossary of Terms

Action Code

FEP error codes are mapped into Action Codes by the application/integrator interface and used by the CAT software to determine what action to perform based on network response.

Background Message

A message that is sent from the CAT to the host processor for which the CAT does not have to wait for an immediate response. The CAT session may continue until either the response from the message sent is required for continued processing, or the CAT needs to send another message to the host processor.

Bankcard - (Citicorp and Citibank Bankcard)

For most CAT applications, bankcards are cards issued by Citicorp or Citibank. These are either credit cards (for example, MasterCard® or VISA®) or travel and entertainment cards (for example, Diners Club®).

Bank Identification Number

A number embossed and encoded on plastic cards that indicates the institution that issued the card.

CA Category

See Citibank Account (CA) Category.

CAT

Customer Activated Terminal is a terminal assembled by Citicorp TTI that is used as the strategic automated teller machine (ATM) for Citibank and Citicorp businesses worldwide.

Card Prefix Table (CPT)

A table that contains information about the cards supported at the CAT. That CPT may also contain a default entry if a specific card prefix is not found in the file.

Card Reader

The mechanism for reading the Magic Middle and/or the magnetic stripe on the customer's card. There are two types of card readers: dip readers and transport readers.

Cash Dispensing Mechanism (CDM)

The CAT delivery subsystem that dispenses cash and/or travelers checks to the customer.

Citibank Account (CA) Category

A generic grouping of one or more product types under a single heading. In this application, the On-Us ICC card customer is asked to choose among these categories on the Main Menu. Based on the choice made from the Main Menu, a customized function menu is offered next. There are four CA categories in Global ICC:

- Checking or Current
- Savings and Investments
- Credit Cards
- Loans

CPT

See Card Prefix Table.

Depository

The CAT delivery subsystem that accepts deposit and payment envelopes from the customer.

Dip Reader

A type of card reader that works by the customer quickly inserting and removing his/her card in one motion.

DUCAT

Drive-Up CAT. A drive-up model of the CAT hardware.

External Service Provider (ESP)

A system that provides data to the CAT, usually a FEP. Most messages consist of a request from the CAT and a response from the FEP.

Front-End Processor (FEP)

A system to which all CATs in a business are connected. The FEP passes service provider information to the CAT application and possibly provides other functions, such as network control. Each business has its own FEP. Usually, local account information is maintained in the business' FEP. For Citibank accounts from other businesses and for Off-Us accounts, the FEP serves as a switch to route requests to CitiShare[®] and then onto the host of the other network.

Integrator

A part of the CAT software environment that handles message processing to the Host or FEP, including initialization, application requests, scam processing, Billing/Deposit Reversal retries, and the reporting of the ESP status on a Network Control Facility (NCF) inquiry.

Magic Middle Card

A card that contains customer information encoded internally in the card.

Magnetic Stripe Card

A card that contains customer information encoded magnetically on a stripe located on the back of the card.

PC CAT

A personal computer, located in a branch, that runs CAT applications with the assistance of a customer representative. Mainly in branches without a CAT.

PC Printer

A peripheral printer attached to a PC running PC CAT.

Personal Identification Number (PIN)

Represents the identification number selected by a customer as his/her personal access code.

Product Category Code

A standard categorization (as opposed to region or business-specific) used by Global ICC as a basis for display content and functionality supported. See Table 2-1 for a listing of these codes for Global ICC.

Product Type Code

A code indicator used by the CAT to differentiate among products.

Record Printer

A printer which provides a paper record of transactions conducted during the session.

Special Instruction Number (SIN)

A status code sent by the network to indicate a special condition that has resulted from a network request.

Transport Reader

A card reader which retains the customer's card throughout the session.

Touchscreen

A touch-sensitive CAT screen, completely eliminating the need for buttons. The system communicates with the customer through screens, graphics, and sound. The customer communicates with the system by putting his/her fingers on the touch-sensitive areas of the screen, as indicated by the screen graphic.

1.1.2 Related Applications and Abbreviations

Following is a list of applications and their abbreviations, which are referenced in this APS:

| Abbreviation | Application Name |
|--------------|---|
| PS | Product Select (Standalone ICC Card Processing) |
| PN | Product Select (Generic ICC) |

1.1.3 Flowcharting Conventions

This section details the standard flowchart symbols.

Application Change -

Denotes a transition in screen flows to a different application. To follow the flow, look for the screen number within the application flow symbol in the other application. Application flow proceeds from that point.



Onpage Connector -

Exit to, or entry from, another part of the flowchart on the same page or sheet.



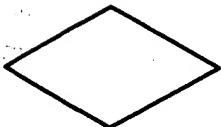
Offpage Connector -

Entry to, or exit from, another part of the flowchart on a different page or sheet.



Decision State -

Describes a condition that, depending upon the outcome, follows a different flow.



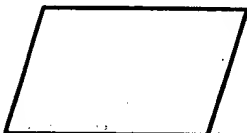
Document -

Denotes the output of a document (that is, a printed transaction record).



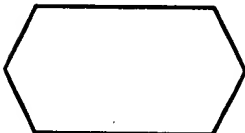
Input/Output -

Denotes an online input or output to or from the CAT (for example, cash or card read).



Integrator Call -

Describes a process in which the integrator is called and data is retrieved from or written to an ESP.



Manual Input -

Denotes a manual input (for example, deposit envelope).





Merge -

Used to merge screen flows.



Process -

Indicates that a specific action or process must happen (that is, Set Good-Read = True, or Set Card-Type = VISA).



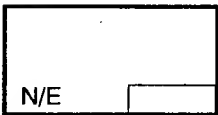
Subroutine -

Indicates the beginning and/or call to a process or subroutine (that is, Account Resolution or Personal Identification Number Validation).



Present Screen -

Denotes the name of a screen or overlay and its number. The screen should be displayed immediately with no pause.



No Exit Screen -

Denotes the name of a screen, its corresponding number, and that this particular screen does *not* have an EXIT button. The screen should be displayed immediately with no pause.



Prepare Screen -

Denotes the name of a screen overlay and its number. The screen should have no transitions defined, and is displayed only when an overlay with transitions is displayed later.

1.1.4 Standard Data Element Conventions

This section describes the format of the information provided with each screen.

Data Name -

A name associated with a piece of variable data. Data items returned from an ESP use initial capitalization (for example, Eqv_Txn_Amt). All other variable names use lowercase letters only (for example, acct_desc5). Developers need not use the same variables or data names used in the APS.

I/O - Input/Output -

The I/O entry indicates whether the data item is an input or an output variable.

Format -

For output variables, the format entry defines how to display the data item on the screen. If the data item is an input variable, the format designates how to format the data after the screen is terminated.

X(n) -

Alphanumeric output variable, n characters in length.

X(n) / \$ X(n) / W and X(n) / Z -

These field formats indicate three different ways to format the output of numerical data, where *n* is the length of the field in characters. All three formats have truncated leading zeroes. In formats with a currency descriptor or with decimal places, Table C-1, Currency Formats, indicates which descriptor to use, the thousands delimiter, the decimal delimiter, and the number of decimal places to include. The currency descriptor floats in front of the numerical amount.

- \$ Includes a currency descriptor and decimal places (\$100.00)
- Z Includes decimal places, but no currency descriptor (100.00)
- W Includes a currency descriptor, but no decimal places (\$100)

Conceptually, this format is the same as a \$\$\$\$,\$\$9.99-, except that the currency descriptor can vary.

9(n) -

Numeric output variable of the maximum transfer value.
Always display n digits, including leading zeroes.

L-R-V-C Right- Left-Variable -

This L-R-V-C entry indicates how the output variable should be justified.

“L” denotes left justified display of the variable, leaving any additional unused character positions to the right of the display.

“R” denotes right justified display of the variable, leaving any additional unused character positions to the left of the display.

“V” denotes left justified display of the variable where any unused character positions are truncated, and following text (or variables) on the display line is shifted to the left, one character after the end of the variable.

“C” denotes centered justification of the variable within the maximum field size.

1.1.5 Screen Numbers

The standard for ICC Standalone screen numbers is:

PS60XX

where XX=01-49.

1.2 Application Defaults

The following default values should be used by this application unless specifically stated in the screen definition.

1.2.1 Description of Timeouts

This section defines default values used in this APS whenever the timeout value is not explicitly stated in the flowchart for a screen. The examples here define common values that can be used for any business not having specific requirements for different timeout values. These values are from the customer's viewpoint.

This section describes the screen timeouts for general, error, and administrative screens, in addition to the timeout for the transport card reader.

1.2.1.1 General Screens

The general screen timeout is 45 seconds. This is a timeout while waiting for the user to touch the screen.

1.2.1.2 Error Screens

The default timeout for error screens that terminate the session (that is, return to the Hello screen) is 7 seconds.

1.2.1.3 N/E (Action) Screens

These screens stay up for as long as it takes to prepare and present the next screen, but no less than a minimum of 2 seconds. The minimum is specified here in order to prevent the screen from "flashing" on and off without a customer being able to read what it says.

1.2.1.4 Administrative Screens

There is no timeout on Administrative Screens. They should be displayed indefinitely until the supervisor makes a selection.

1.2.1.5 Card Capture

The default timeout on the transport card reader while waiting for a user to take the card after it has been ejected is 24 seconds.

1.2.2 Font Specifications

TTI's Application Generation System (AGS) has several font sizes available for the Roman character alphabet. The two font sizes used are 40 characters across by 20 lines down (abbreviated as 40 x 20), and 53 characters across by 24 lines down (abbreviated as 53 x 24).

The default font is the 40 x 20 font. This font is represented on the screen displays in this APS by the font and point size that you are currently reading. The 53 x 24 font is represented on the screen displays in this APS by the following font and point size:

This smaller text represents the 53 x 24 font.

Note

When the 53 x 24 font is used, the column number indicators above the screen displays in this APS are not accurate. When AGS screens are generated, the starting and ending column positions must be estimated based on the screen representation in the APS.

1.2.3 Color Conventions

This section describes the colors and color conventions used by this application.

1.2.3.1 Color Palette

The following colors are used by this application. Red, green, and blue (RGB) values are specified in the range from 0 to 255.

Table 1-1. Color Palette

| No. | Name | Red | Green | Blue |
|-----|------------------|-----|-------|------|
| 0 | black | 0 | 0 | 0 |
| 1 | almost black | 32 | 32 | 32 |
| 2 | dark blue | 48 | 48 | 80 |
| 3 | dark blue-gray | 80 | 80 | 112 |
| 4 | medium blue-gray | 112 | 112 | 144 |
| 5 | pale blue-gray | 144 | 144 | 176 |
| 6 | light blue-gray | 176 | 176 | 208 |
| 7 | white | 240 | 240 | 240 |
| 8 | black | 0 | 0 | 0 |
| 9 | blue | 0 | 0 | 176 |
| 10 | red | 144 | 48 | 48 |
| 11 | pale yellow | 220 | 190 | 100 |
| 12 | green | 0 | 250 | 64 |
| 13 | cyan | 0 | 176 | 176 |
| 14 | yellow | 250 | 220 | 40 |
| 15 | white | 240 | 240 | 240 |

1.2.3.2 Text Display Colors

The standard colors used in an application for text display are:

Table 1-2. Colors for Text Display

| Element Description | Color | Color Number |
|---------------------|-----------------|--------------|
| Prompt Text | yellow | 14 |
| Key/Button Text | white | 7 |
| Recap Text | light blue-gray | 6 |
| Recap Amounts | green | 12 |
| Border Color | dark blue | 2 |
| Background Color | dark blue | 2 |

Chapter 2

Standalone Card Processing

In most ICC installations, initial card processing is performed by the local CAT application. In ICC installations where there is no local CAT application, the ICC Standalone Card Processing application performs the initial card processing.

Therefore, Standalone Card Processing is only installed with Global ICC where there is no local CAT application.

ICC Standalone Card Processing is the application that controls the start of session, the initial card read, and routing to the generic ICC applications. The Standalone Card Processing Application is used only by ICC CATs that run only ICC applications and no local CAT applications. ICC Standalone CATs accept only ICC cards—no local cards are accepted.

2.1 Languages

Each screen in Standalone Card Processing may be displayed in either one or two languages, depending upon the language configuration of the CAT. If the CAT is configured for two languages, the languages are designated as primary and secondary. If only one language is set in the configuration, it is, by default, the primary language.

For clarity, only the two language screens have been referenced in the flowcharts. The single-language versions have been assigned the same screen number with a designator "A" appended to them. For example, Screen 6007 is the Out of Service - Two Language screen, and Screen 6007A is the Out of Service - One Language screen.

This is the English version of ICC Standalone Card Processing. These screens are used by all ICC Standalone CAT configurations in which English is the primary language. The secondary language may be any other language.

This APS also contains the variable text to use on secondary language portions for all screens where English is the secondary language. For variable text for all non-English languages, see the appropriate ICC language "Phrase by Screen Report".

2.2 Processing Overview

Following are the steps that comprise processing:

1. Check if an infinite retry message was sent. If so, check if a response has been received. Process accordingly.
2. Check the status of the devices. If the card reader or the touchscreen is down, take the CAT out of service. If they are up, continue.
3. Display the appropriate Hello screen. Wait for card insert/dip.
4. When a card is inserted, validate it for valid International Organization for Standardization (ISO) format.
5. If the device is a PC CAT configured for cardless access and the button for cardless access is activated, display a screen to capture the card identification number (CIN).
6. If the read was good, go to the ICC Generic Product Select (PN) application, whether the card was found in the ICC language table or not. If the read was not good, display an appropriate error screen and either time out (dip readers), or go through the Return Card routine (transport readers).
7. If the PN application is unable to process this card, it is returned to this application. For a Standalone ICC, it should always return a card class of unsupported if it cannot process the card. Otherwise, it is treated as a bad card read. In either case, display an appropriate error screen and either time out (dip readers) or go through the Return Card routine (transport readers).
8. Restart the application.

2.3 Flowcharts

This section provides the flowcharts that describe the ICC Standalone Card Processing application.

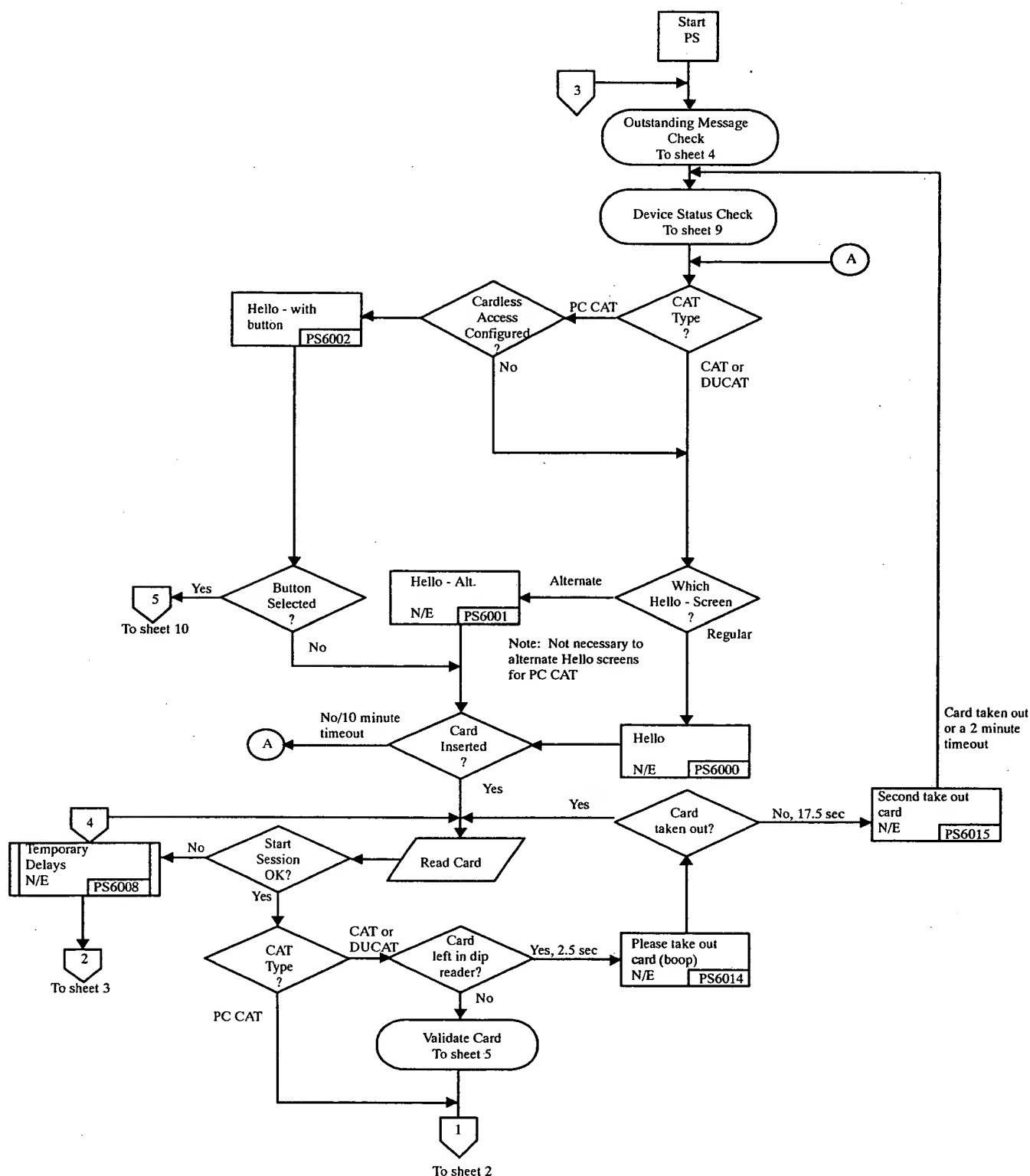


Figure 2-1. ICC Card Processing Hello and Read Card (Sheet 1 of 10)

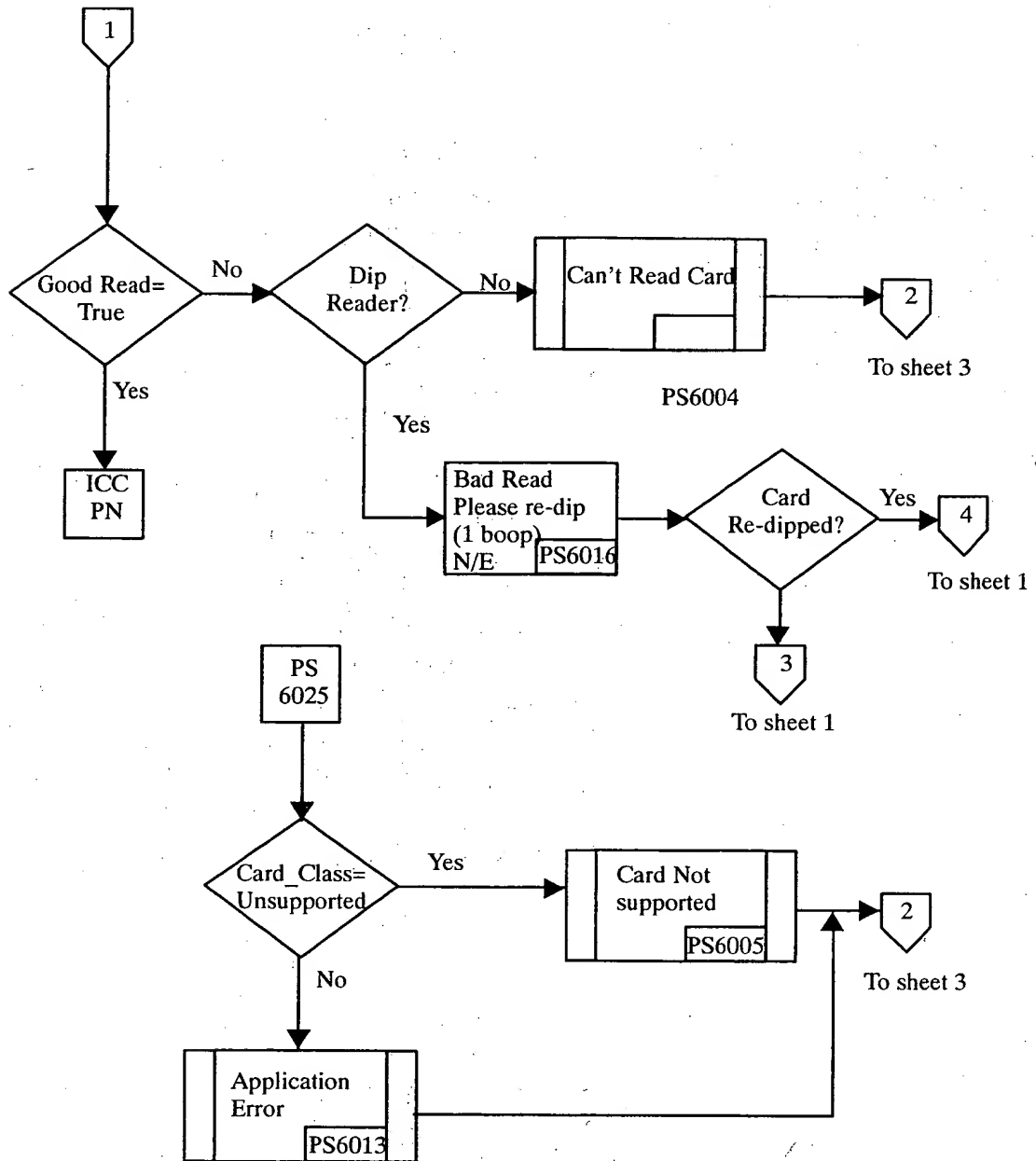


Figure 2-1a. ICC Card Processing Hello and Read Card (cont) (Sheet 2 of 10)

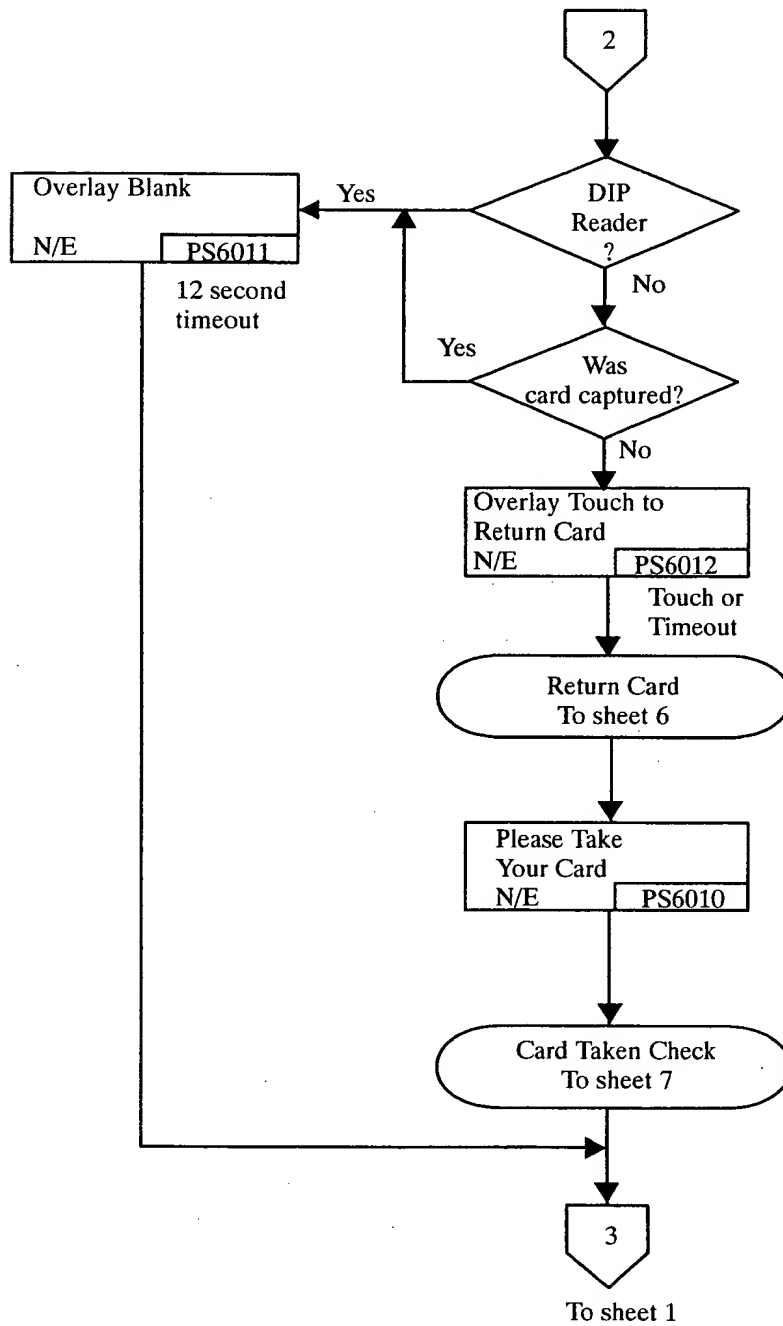


Figure 2-2. ICC Card Processing Exit (Sheet 3 of 10)

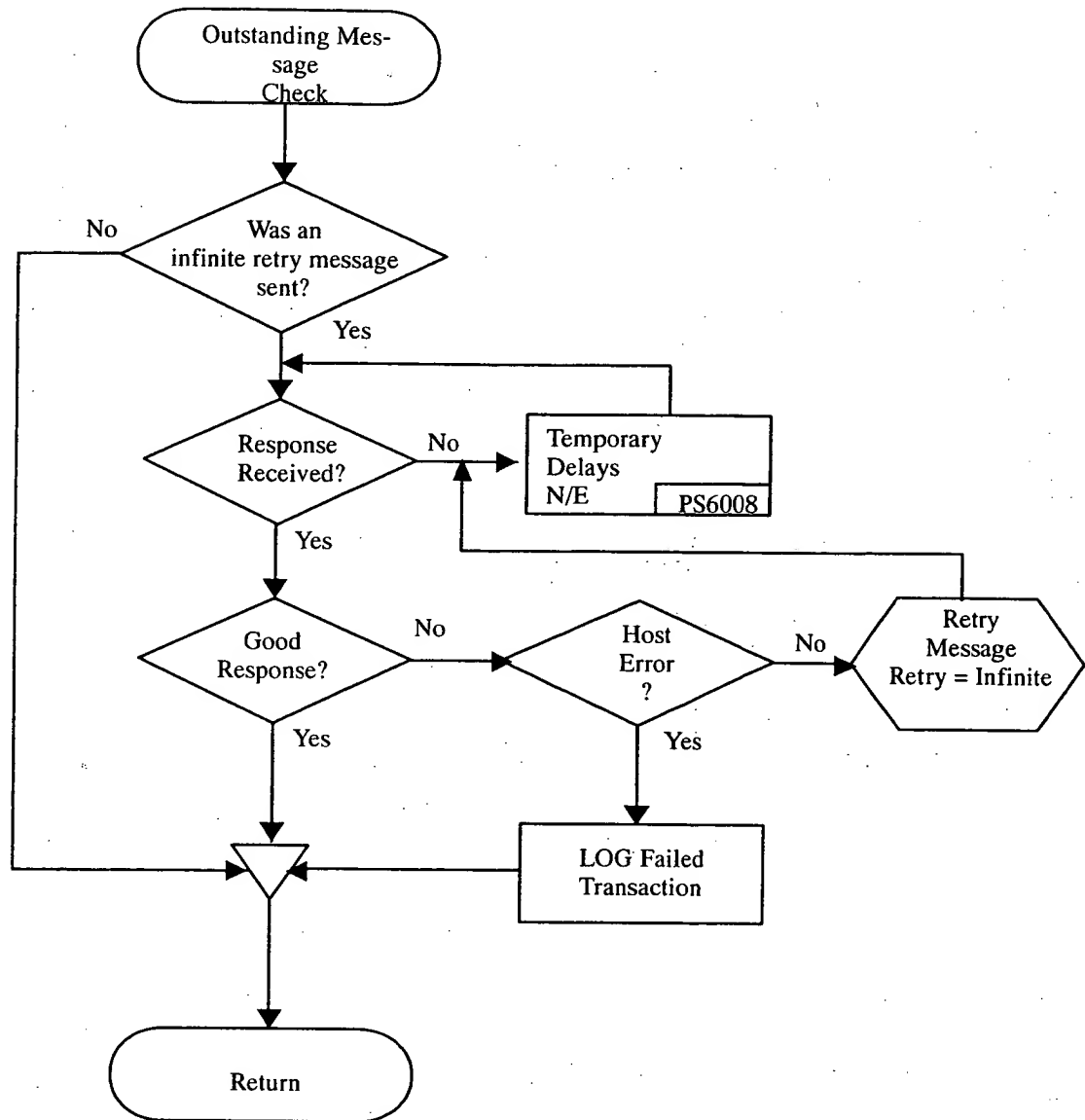


Figure 2-3. ICC Card Processing Outstanding Message Check (Sheet 4 of 10)

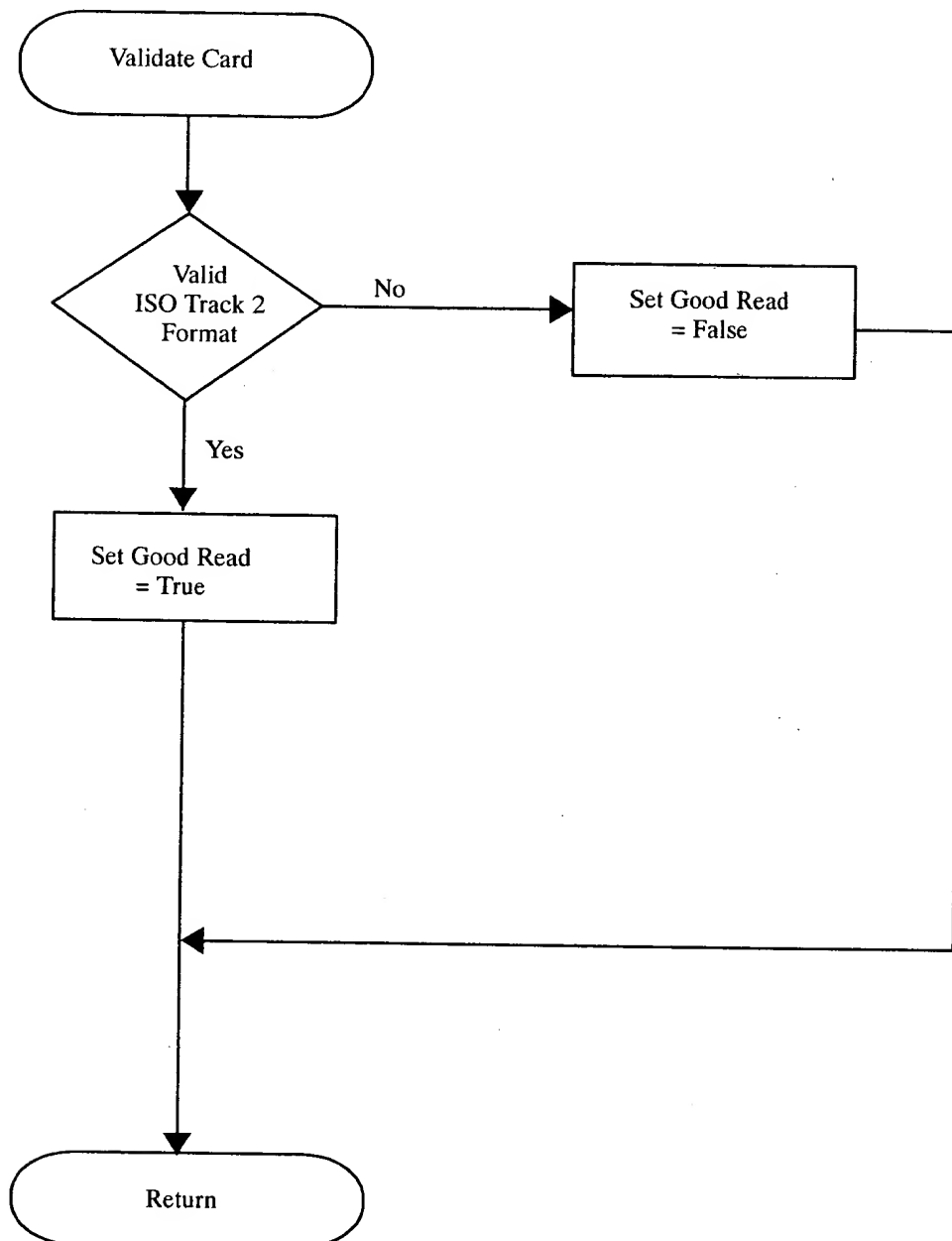


Figure 2-4. ICC Card Processing Validate Card (Sheet 5 of 10)

Standalone Card Processing

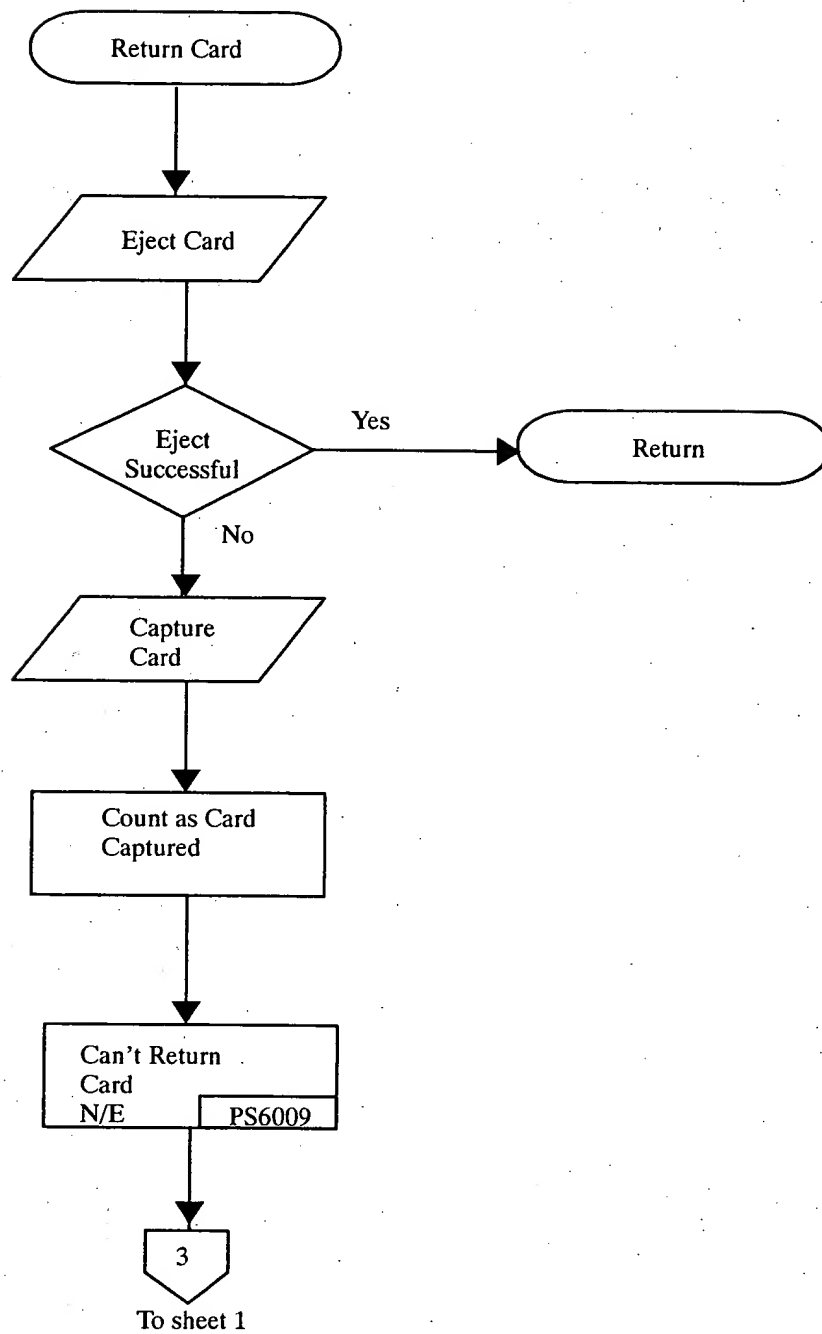


Figure 2-5. ICC Card Processing Return Card (Sheet 6 of 10)

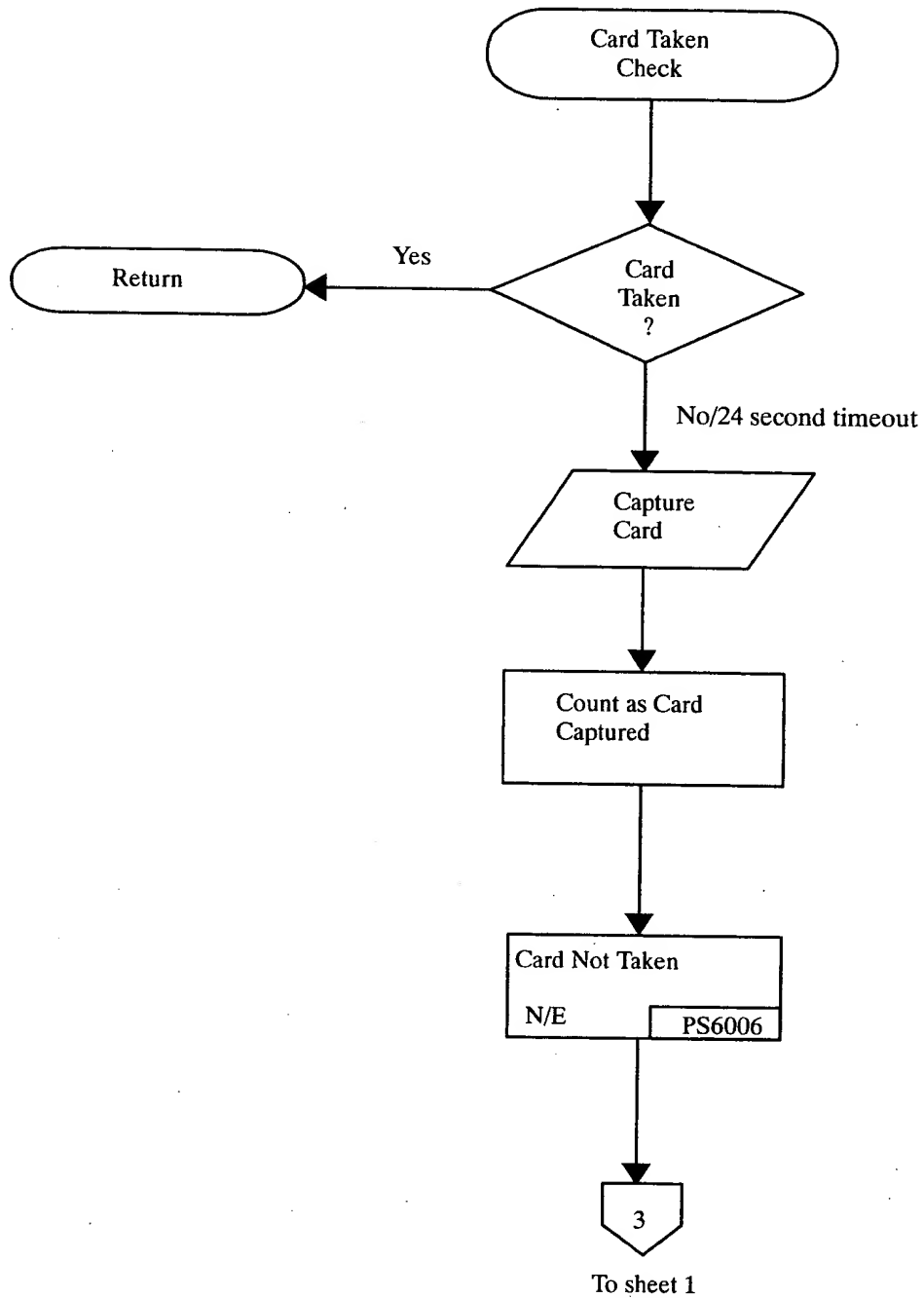


Figure 2-6. ICC Card Processing Card Taken Check (Sheet 7 of 10)

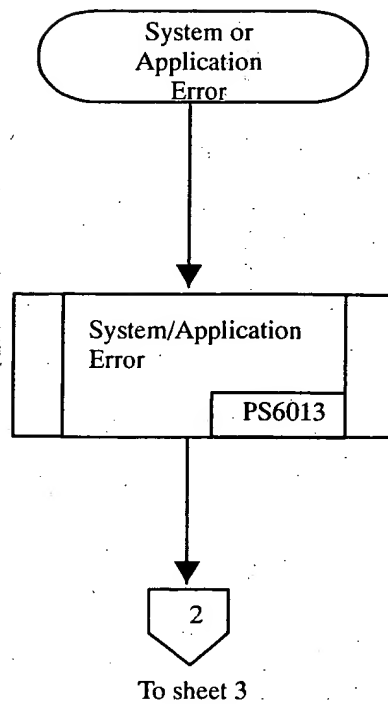


Figure 2-7. ICC Card Processing System or Application Error (Sheet 8 of 10)

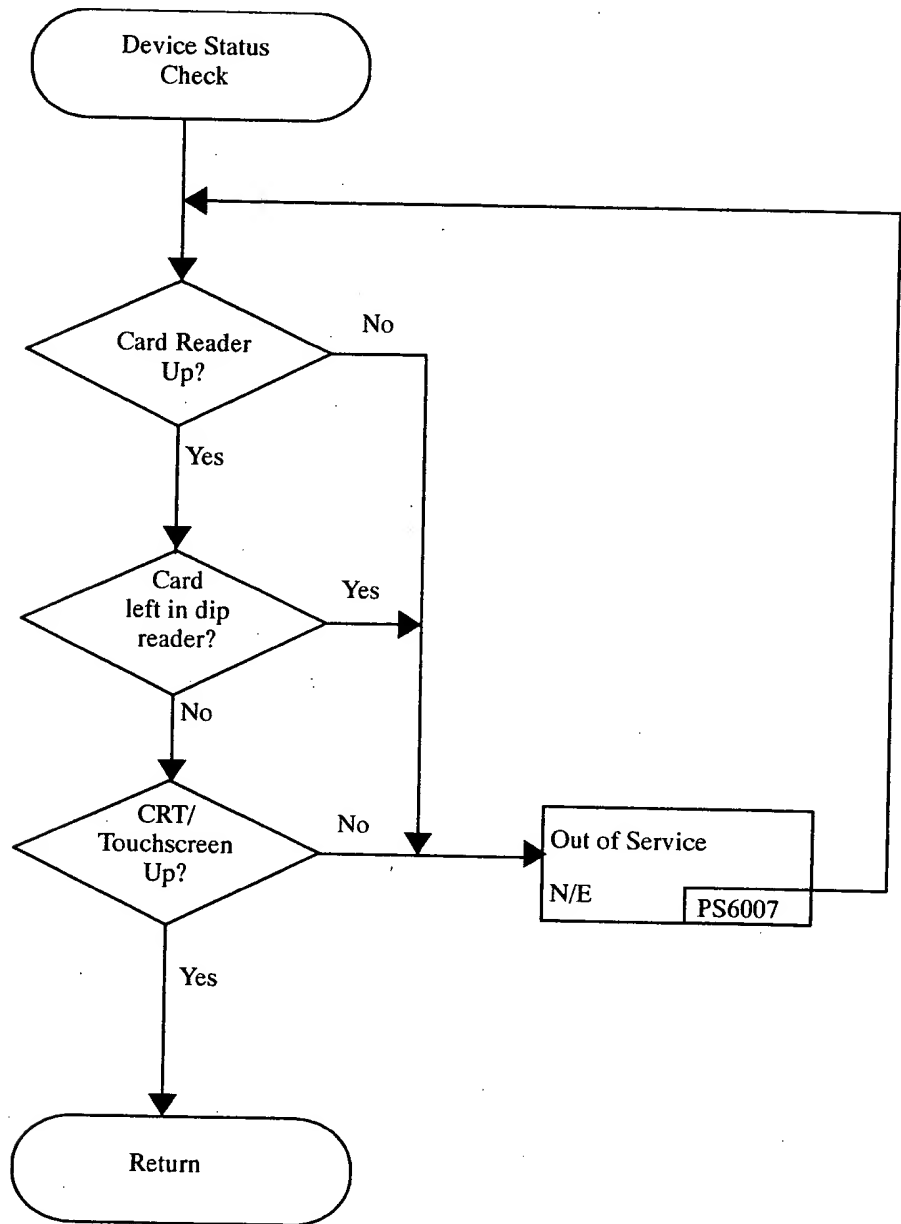


Figure 2-8. ICC Card Processing Device Status Check (Sheet 9 of 10)

Standalone Card Processing

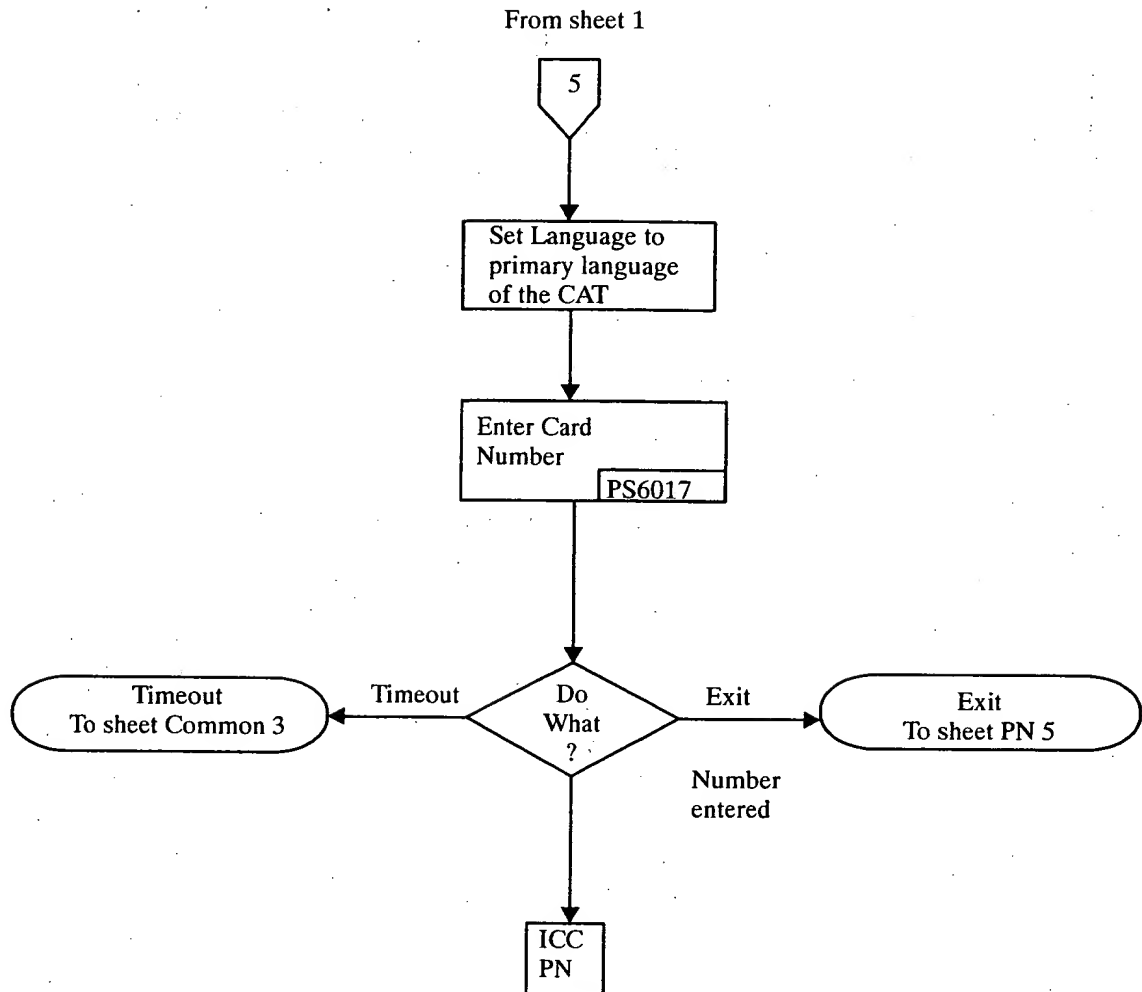


Figure 2-9. PC CAT Cardless Access (Sheet 10 of 10)

2.4 Screens

This section shows the screens and standard data elements for the ICC Standalone Card Processing application.

Screen PS6000. Two Language Hello

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 | 1 | 1 |
2 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 2 | greeting |
3 | | | 3 | greeting1 not shown |
4 | | | 4 |
5 | | | 5 |
6 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 6 | ins_card1 |
7 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 7 | ins_card1a |
8 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 8 | ins_card1b |
9 | | | 9 |
10 | | | 10 |
11 | | | 11 |
12 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 12 | hello2/hello2C |
13 | | | 13 | hello2a not shown |
14 | | | 14 |
15 | | | 15 |
16 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 16 | ins_card2/ins_card2C |
17 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 17 | ins_card2a/ins_card2aC |
18 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 18 | ins_card2b/ins_card2bC |
19 | | | 19 |
20 | | | 20 |
+-----+
© Citicorp 1990, 1995

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|---|
| greeting | O | X(38) | C | Display one of the following based on time of day: Morning - "Hello - May I help you?" Afternoon - "Hello - May I help you?" Evening - "Hello - May I help you?" Where "morning" is from 6:00 A.M. to noon, "afternoon" is from noon to 6:00 P.M., and "evening" is from 6:00 P.M. to 6:00 A.M. |
| greeting1 | O | X(38) | C | Display one of the following based on time of day: Morning - blank Afternoon - blank Evening - blank |

Standard Data Elements: Screen PS6000 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|--------|---------|--|
| ins_card1 | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "Please put your card in the slot"</p> <p>CAT/transport - "Please put your card in the slot"</p> <p>DUCAT/transport - "Please put your card in the slot"</p> <p>DUCAT/dip - "Please put your card in the slot"</p> <p>PC CAT - "Please put your card in the slot"</p> |
| ins_card1a | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "to your right and take it out -"</p> <p>CAT/transport- "above."</p> <p>DUCAT/transport - "to your left."</p> <p>DUCAT/dip - "to your left and take it out -"</p> <p>PC CAT - "and take it out - so I can help you."</p> |
| ins_card1b | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "so I can help you."</p> <p>CAT/transport - blank</p> <p>DUCAT/transport - blank</p> <p>DUCAT/dip - "so I can help you."</p> <p>PC CAT - blank</p> |

Standard Data Elements: Screen PS6000 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|--------|---------|--|
| hello2 | O | X(38) | C | <p>If the secondary language of this CAT is English, display one of the following based on time of day:</p> <p>Morning - "Hello - May I help you?"</p> <p>Afternoon - "Hello - May I help you?"</p> <p>Evening - "Hello - May I help you?"</p> <p>Where "morning" is from 6:00 A.M. to noon, "afternoon" is from noon to 6:00 P.M., and "evening" is from 6:00 P.M. to 6:00 A.M.</p> |
| hello2a | O | X(38) | C | <p>Display one of the following based on time of day:</p> <p>Morning - blank</p> <p>Afternoon - blank</p> <p>Evening - blank</p> |
| hello2C | O | C(17) | C | See the appropriate non-English language ICC APS for text to display. |
| ins_card2 | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "Please put your card in the slot"</p> <p>CAT/transport - "Please put your card in the slot"</p> <p>DUCAT/transport - "Please put your card in the slot"</p> <p>DUCAT/dip - "Please put your card in the slot"</p> <p>PC CAT - "Please put your card in the slot"</p> |
| ins_card2C | O | C(17) | C | See the appropriate non-English language ICC APS for text to display. |

Standard Data Elements: Screen PS6000 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------------|------------|---------------|----------------|--|
| ins_card2a | O | X(38) | C | <p>If the secondary language of this CAT is English, display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "to your right and take it out -"</p> <p>CAT/transport - "above."</p> <p>DUCAT/transport - "to your left."</p> <p>DUCAT/dip - "to your left and take it out -"</p> <p>PC CAT - "and take it out - so I can help you."</p> |
| ins_card2aC | O | C(17) | C | See the appropriate non-English language ICC APS for text to display. |
| ins_card2b | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "so I can help you."</p> <p>CAT/transport - blank</p> <p>DUCAT/transport - blank</p> <p>DUCAT/dip - "so I can help you."</p> <p>PC CAT - blank</p> |
| ins_card2bC | O | C(17) | C | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 2-1.

Screen PS6000A. One Language Hello

```

      1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 |                                     | 6
7 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 7 greeting
8 |                                     | 8 greeting1 not shown
9 |                                     | 9
10 |                                    | 10
11 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 11 ins_card1
12 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 12 ins_card1a
13 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 13 ins_card1b
14 |                                     | 14
15 |                                     | 15
16 |                                     | 16
17 |                                     | 17
18 |                                     | 18
19 |                                     | 19
20 | © Citicorp 1990, 1995           | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|---|
| greeting | O | X(38) | C | Display one of the following based on time of day: Morning - "Hello - May I help you?" Afternoon - "Hello - May I help you?" Evening - "Hello - May I help you?" Where "morning" is from 6:00 A.M. to noon, "afternoon" is from noon to 6:00 P.M., and "evening" is from 6:00 P.M. to 6:00 A.M. |
| greeting1 | O | X(38) | C | Display one of the following based on time of day: Morning - blank Afternoon - blank Evening - blank |

Standard Data Elements: Screen PS6000A (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|--------|---------|---|
| ins_card1 | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "Please put your card in the slot"</p> <p>CAT/ transport - "Please put your card in the slot"</p> <p>DUCAT/transport - "Please put your card in the slot"</p> <p>DUCAT/dip - "Please put your card in the slot"</p> <p>PC CAT - "Please put your card in the slot"</p> |
| ins_card1a | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "to your right and take it out -"</p> <p>CAT/transport - "above."</p> <p>DUCAT/transport - "to your left."</p> <p>DUCAT/dip - "to your left and take it out -"</p> <p>PC CAT - "and take it out - so I can help you."</p> |
| ins_card1b | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "so I can help you."</p> <p>CAT/transport - blank</p> <p>DUCAT/transport - blank</p> <p>DUCAT/dip - "so I can help you."</p> <p>PC CAT - blank</p> |

Screen Transition: See Figure 2-1.

Screen PS6001. Two Language Hello - Alt

```

111111111122222222223333333334
123456789012345678901234567890
+-----+
1 |XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX| 1 greeting
2 |XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX| 2 greeting1 not shown
3 |XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX| 3 ins_card1
4 |XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX| 4 ins_card1a
5 |XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX| 5 ins_card1b
6 |XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX| 6
7 |XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX| 7
8 |XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX| 8
9 |XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX| 9
10|XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX| 10
11|XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX| 11 hello2/hello2C
12|XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX| 12 hello2a not shown
13|XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX| 13 ins_card2/ins_card2C
14|XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX| 14 ins_card2a/ins_card2aC
15|XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX| 15 ins_card2b/ins_card2bC
16|XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX| 16
17|XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX| 17
18|XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX| 18
19|© Citicorp 1990, 1995| 19
20|XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX| 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|---|
| greeting | O | X(38) | C | Display one of the following based on time of day: Morning - "Hello - May I help you?" Afternoon - "Hello - May I help you?" Evening - "Hello - May I help you?" Where "morning" is from 6:00 A.M. to noon, "afternoon" is from noon to 6:00 P.M., and "evening" is from 6:00 P.M. to 6:00 A.M. |
| greeting1 | O | X(38) | C | Display one of the following based on time of day: Morning - blank Afternoon - blank Evening - blank |

Standard Data Elements: Screen PS6001 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|--------|---------|--|
| ins_card1 | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "Please put your card in the slot"</p> <p>CAT/transport - "Please put your card in the slot"</p> <p>DUCAT/transport - "Please put your card in the slot"</p> <p>DUCAT/dip - "Please put your card in the slot"</p> <p>PC CAT - "Please put your card in the slot"</p> |
| ins_card1a | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "to your right and take it out -"</p> <p>CAT/transport - "above."</p> <p>DUCAT/transport - "to your left."</p> <p>DUCAT/dip - "to your left and take it out -"</p> <p>PC CAT - "and take it out - so I can help you."</p> |
| ins_card1b | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "so I can help you."</p> <p>CAT/transport - blank</p> <p>DUCAT/transport - blank</p> <p>DUCAT/dip - "so I can help you."</p> <p>PC CAT - blank</p> |

Standard Data Elements: Screen PS6001 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|--------|---------|--|
| hello2 | O | X(38) | C | <p>If the secondary language of this CAT is English, display one of the following based on time of day:</p> <p>Morning - "Hello - May I help you?"</p> <p>Afternoon - "Hello - May I help you?"</p> <p>Evening - "Hello - May I help you?"</p> <p>Where "morning" is from 6:00 A.M. to noon, "afternoon" is from noon to 6:00 P.M., and "evening" is from 6:00 P.M. to 6:00 A.M.</p> |
| hello2a | O | X(38) | C | <p>Display one of the following based on time of day:</p> <p>Morning - blank</p> <p>Afternoon - blank</p> <p>Evening - blank</p> |
| hello2C | O | C(17) | C | See the appropriate non-English language ICC APS for text to display. |
| ins_card2 | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "Please put your card in the slot"</p> <p>CAT/transport - "Please put your card in the slot"</p> <p>DUCAT/transport - "Please put your card in the slot"</p> <p>DUCAT/dip - "Please put your card in the slot"</p> <p>PC CAT - "Please put your card in the slot"</p> |
| ins_card2C | O | C(17) | C | See the appropriate non-English language ICC APS for text to display. |

Standard Data Elements: Screen PS6001 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|--|
| ins_card2a | O | X(38) | C | <p>If the secondary language of this CAT is English, display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "to your right and take it out -"</p> <p>CAT/transport - "above."</p> <p>DUCAT/transport - "to your left."</p> <p>DUCAT/dip - "to your left and take it out -"</p> <p>PC CAT - "and take it out - so I can help you."</p> |
| ins_card2aC | O | C(17) | C | See the appropriate non-English language ICC APS for text to display. |
| ins_card2b | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "so I can help you."</p> <p>CAT/transport - blank</p> <p>DUCAT/transport - blank</p> <p>DUCAT/dip - "so I can help you."</p> <p>PC CAT - blank</p> |
| ins_card2bC | O | C(17) | C | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 2-1.

Screen PS6001A. One Language Hello - Alt

| | |
|--|-----------------------|
| 111111111122222222223333333334 | |
| 1234567890123456789012345678901234567890 | |
| 1 | 1 |
| 2 | 2 |
| 3 | 3 |
| 4 | 4 |
| 5 | 5 greeting |
| 6 | 6 greeting1 not shown |
| 7 | 7 |
| 8 | 8 ins_card1 |
| 9 | 9 ins_card1a |
| 10 | 10 ins_card1b |
| 11 | 11 |
| 12 | 12 |
| 13 | 13 |
| 14 | 14 |
| 15 | 15 |
| 16 | 16 |
| 17 | 17 |
| 18 | 18 |
| 19 | 19 |
| 20 | 20 |

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Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|--|
| greeting | O | X(38) | C | Display one of the following based on time of day: Morning- "Hello - May I help you?" Afternoon - "Hello - May I help you?" Evening - "Hello - May I help you?" Where "morning" is from 6:00 A.M. to noon, "afternoon" is from noon to 6:00 P.M., and "evening" is from 6:00 P.M. to 6:00 A.M. |
| greeting1 | O | X(38) | C | Display one of the following based on time of day: Morning - blank Afternoon - blank Evening - blank |

Standard Data Elements: Screen PS60001A (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|--------|---------|--|
| ins_card1 | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "Please put your card in the slot"</p> <p>CAT/transport - "Please put your card in the slot"</p> <p>DUCAT/transport - "Please put your card in the slot"</p> <p>DUCAT/dip - "Please put your card in the slot"</p> <p>PC CAT - "Please put your card in the slot"</p> |
| ins_card1a | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "to your right and take it out -"</p> <p>CAT/transport- "above."</p> <p>DUCAT/transport - "to your left."</p> <p>DUCAT/dip - "to your left and take it out -"</p> <p>PC CAT - "and take it out - so I can help you."</p> |
| ins_card1b | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "so I can help you."</p> <p>CAT/transport - blank</p> <p>DUCAT/transport - blank</p> <p>DUCAT/dip - "so I can help you."</p> <p>PC CAT - blank</p> |

Screen Transition: See Figure 2-1.

Screen PS6002. Hello with Button - Two Languages

```

111111111122222222223333333334
1234567890123456789012345678901234567890
+-----+
1 |      Hello - May I help you?      | 1
2 |                                  | 2 greeting not shown
3 |                                  | 3 greeting1 not shown
4 |                                  | 4
5 |      Please put your card in the slot | 5
6 |      and take it out - so I can help you. | 6
7 |                                  | 7
8 |                                  | 8
9 |                                  | 9
10 |XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX| 10 hello2/hello2C
11 |                                  | 11 hello2a not shown
12 |                                  | 12
13 |XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX| 13 ins_card2/ins_card2C
14 |XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX| 14 ins_card2a/ins_card2aC
15 |XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX| 15 ins_card2b/ins_card2bC
16 |                                  | 16
17 |+---+ Touch here if you don't have your card. | 17
18 |+---+ XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 18 no_card/no_cardC
19 |                                  | 19
20 |      © Citicorp 1990, 1995      | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|--|
| greeting | O | X(38) | C | Display one of the following based on time of day: Morning - "Hello - May I help you?" Afternoon - "Hello - May I help you?" Evening - "Hello - May I help you?" Where "morning" is from 6:00 AM to noon, "afternoon" is from noon to 6:00 PM, and "evening" is from 6:00 PM to 6:00 AM. |
| greeting1 | O | X(38) | C | Display one of the following based on time of day: Morning - blank Afternoon - blank Evening - blank |

Standard Data Elements: Screen PS6002 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|---|
| hello2 | O | X(38) | C | If the secondary language of this CAT is English, display one of the following based on time of day: Morning - "Hello - May I help you?" Afternoon - "Hello - May I help you?" Evening - "Hello - May I help you?" |
| hello2a | O | X(38) | C | Display one of the following based on time of day: Morning - blank Afternoon - blank Evening - blank |
| hello2C | O | C(17) | C | See the appropriate non-English language ICC APS for text to display. |
| ins_card2 | O | X(38) | C | If the secondary language of this CAT is English, display "Please put your card in the slot". |
| ins_card2C | O | C(17) | C | See the appropriate non-English language ICC APS for text to display. |
| ins_card2a | O | X(38) | C | If the secondary language of this CAT is English, display "and take it out - so I can help you." |
| ins_card2aC | O | C(17) | C | See the appropriate non-English language ICC APS for text to display. |
| ins_card2b | O | X(39) | C | If the secondary language of this CAT is English, display blank. |
| ins_card2bC | O | C(17) | C | See the appropriate non-English language ICC APS for text to display. |
| no_card | O | X(45) | L | If the secondary language of this CAT is English, display "Touch here if you don't have your card." |
| no_cardC | O | C(16) | L | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 2-1.

Screen PS6002A. Hello With Button - One Language

```

111111111122222222223333333334
123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 |                                     | 6
7 |      Hello - May I help you?      | 7
8 |                                     | 8
9 |                                     | 9
10 |      Please put your card in the slot      | 10
11 |      and take it out - so I can help you.  | 11
12 |                                     | 12
13 |                                     | 13
14 |                                     | 14
15 |                                     | 15
16 |                                     | 16
17 |      +---+                          | 17
18 |      +---+ Touch here if you don't have your card. | 18
19 |                                     | 19
20 |      © Citicorp 1990, 1995            | 20
+-----+

```

Screen Transition: See Figure 2-1.

Screen PS6004. Can't Read Card - Two Languages

```

111111111122222222223333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 | I'm sorry.  I can't read your card | 3
4 | right now.                            | 4
5 |                                     | 5
6 |                                     | 6
7 |                                     | 7
8 |                                     | 8
9 |                                     | 9
10|                                     | 10
11|                                     | 11
12|                                     | 12
13| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 13 cant_read1/cant_read1C
14| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 14 cant_read1a/cant_read1aC
15|                                     | 15
16|                                     | 16
17|                                     | 17
18|                                     | 18
19|                                     | 19
20|                                     | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|--------------|-----|--------|---------|--|
| cant_read1 | O | X(38) | L | If the secondary language of this CAT is English, display "I'm sorry. I can't read your card". |
| cant_read1C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| cant_read1a | O | X(38) | L | If the secondary language of this CAT is English, display "right now." |
| cant_read1aC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 2-1a.

Screen PS6004A. Can't Read Card - One Language

111111111122222222223333333334
1234567890123456789012345678901234567890

| | | |
|----|-----------------------------------|----|
| 1 | | 1 |
| 2 | | 2 |
| 3 | | 3 |
| 4 | | 4 |
| 5 | | 5 |
| 6 | | 6 |
| 7 | | 7 |
| 8 | | 8 |
| 9 | I'm sorry. I can't read your card | 9 |
| 10 | right now. | 10 |
| 11 | | 11 |
| 12 | | 12 |
| 13 | | 13 |
| 14 | | 14 |
| 15 | | 15 |
| 16 | | 16 |
| 17 | | 17 |
| 18 | | 18 |
| 19 | | 19 |
| 20 | | 20 |

Screen Transition: See Figure 2-1a.

Screen PS6005. Card Not Supported - Two Languages

```

111111111122222222223333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     1
2 |                                     2
3 | I'm sorry. I can't handle this card 3
4 | yet.                                4
5 |                                     5
6 |                                     6
7 |                                     7
8 |                                     8
9 |                                     9
10|                                     10
11|                                     11
12|                                     12
13| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX 13 bad_card1/bad_card1C
14| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX 14 bad_card1a/bad_card1aC
15|                                     15
16|                                     16
17|                                     17
18|                                     18
19|                                     19
20|                                     20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|--|
| bad_card1 | O | X(38) | L | If the secondary language of this CAT is English, display "I'm sorry. I can't handle this card". |
| bad_card1C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| bad_card1a | O | X(38) | L | If the secondary language of this CAT is English, display "yet." |
| bad_card1aC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 2-1a.

Screen PS6005A. Card Not Supported - One Language

```
111111111122222222223333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 |                                     | 6
7 |                                     | 7
8 |                                     | 8
9 | I'm sorry. I can't handle this card | 9
10| yet.                               | 10
11|                                     | 11
12|                                     | 13
13|                                     | 14
14|                                     | 12
15|                                     | 15
16|                                     | 16
17|                                     | 17
18|                                     | 18
19|                                     | 19
20|                                     | 20
+-----+
```

Screen Transition: See Figure 2-1a.

Screen PS6006. Card Not Taken - Two Languages

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 | I'm sorry. You haven't taken your | 1
2 | card. I'm holding your card for | 2
3 | your protection. | 3
4 | | 4
5 | | 5
6 | | 6
7 | | 7
8 | | 8
9 | | 9
10 | | 10
11 | | 11
12 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 12 not_taken1/not_taken1C
13 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 13 not_taken1a/not_taken1aC
14 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 14 not_taken1b/not_taken1bC
15 | | 15
16 | | 16
17 | | 17
18 | | 18
19 | | 19
20 | | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|--------------|-----|--------|---------|---|
| not_taken1 | O | X(38) | L | If the secondary language of this CAT is English, then display "I'm sorry. You haven't taken your". |
| not_taken1C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| not_taken1a | O | X(38) | L | If the secondary language of this CAT is English, display "card. I'm holding your card for". |
| not_taken1aC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| not_taken1b | O | X(38) | L | If the secondary language of this CAT is English, display "your protection." |
| not_taken1bC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 2-6.

Screen PS6006A. Card Not Taken - One Language

1111111111222222222233333333334
1234567890123456789012345678901234567890

| | | |
|----|-----------------------------------|----|
| 1 | | 1 |
| 2 | | 2 |
| 3 | | 3 |
| 4 | | 4 |
| 5 | | 5 |
| 6 | | 6 |
| 7 | | 7 |
| 8 | | 8 |
| 9 | I'm sorry. You haven't taken your | 9 |
| 10 | card. I'm holding your card for | 10 |
| 11 | your protection. | 11 |
| 12 | | 12 |
| 13 | | 13 |
| 14 | | 14 |
| 15 | | 15 |
| 16 | | 16 |
| 17 | | 17 |
| 18 | | 18 |
| 19 | | 19 |
| 20 | | 20 |

Screen Transition: See Figure 2-6.

Screen PS6007. Out of Service - Two Languages

```

11111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 | I'm sorry. I can't help you right now. | 4
5 | Please try again later.               | 5
6 |                                     | 6
7 |                                     | 7
8 |                                     | 8
9 |                                     | 9
10|                                     | 10
11|                                     | 11
12|                                     | 12
13| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 13 oos1/oos1C
14| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 14 oos1a/oos1aC
15| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 15 oos1b/oos1bC
16|                                     | 16
17|                                     | 17
18|                                     | 18
19|                                     | 19
20|                                     | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|--|
| oos1 | O | X(38) | L | If the secondary language of this CAT is English, display "I'm sorry. I can't help you right now." |
| oos1C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| oos1a | O | X(38) | L | If the secondary language of this CAT is English, display "Please try again later." |
| oos1aC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| oos1b | O | X(38) | L | If the secondary language of this CAT is English, leave blank. |
| oos1bC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 2-3.

Screen PS6007A. Out of Service - One Language

```
111111111122222222223333333334
123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 |                                     | 6
7 |                                     | 7
8 |                                     | 8
9 | I'm sorry. I can't help you right now. | 9
10|                                     | 10
11| Please try again later.               | 11
12|                                     | 12
13|                                     | 13
14|                                     | 14
15|                                     | 15
16|                                     | 16
17|                                     | 17
18|                                     | 18
19|                                     | 19
20|                                     | 20
+-----+
```

Screen Transition: See Figure 2-3.

Screen PS6008. Temporary Delays - Two Languages

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 | I'm sorry. We are having some    | 3
4 | temporary delays. Please wait a few | 4
5 | moments and try again.           | 5
6 |                                     | 6
7 |                                     | 7
8 |                                     | 8
9 |                                     | 9
10 |                                    | 10
11 |                                    | 11
12 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 12 delays1/delays1C
13 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 13 delays1a/delays1aC
14 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 14 delays1b/delays1bC
15 |                                    | 15
16 |                                    | 16
17 |                                    | 17
18 |                                    | 18
19 |                                    | 19
20 |                                    | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|--|
| delays1 | O | X(38) | L | If the secondary language of this CAT is English, display "I'm sorry. We are having some". |
| delays1C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| delays1a | O | X(38) | L | If the secondary language of this CAT is English, display "temporary delays. Please wait a few". |
| delays1aC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| delays1b | O | X(38) | L | If the secondary language of this CAT is English, display "moments and try again." |
| delays1bC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 2-3.

Screen PS6008A. Temporary Delays - Two Languages

```
1111111111222222222233333333334
1234567890123456789012345678901234567890
```

| | | |
|----|-------------------------------|----|
| 1 | | 1 |
| 2 | | 2 |
| 3 | | 3 |
| 4 | | 4 |
| 5 | | 5 |
| 6 | | 6 |
| 7 | | 7 |
| 8 | I'm sorry. We are having some | 8 |
| 9 | temporary delays. | 9 |
| 10 | | 10 |
| 11 | Please wait a few moments and | 11 |
| 12 | try again. | 12 |
| 13 | | 13 |
| 14 | | 14 |
| 15 | | 15 |
| 16 | | 16 |
| 17 | | 17 |
| 18 | | 18 |
| 19 | | 19 |
| 20 | | 20 |

Screen Transition: See Figure 2-3.

Screen PS6009. Can't Return Card - Two Languages

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 | I'm sorry.  I can't return your card | 3
4 | right now.                               | 4
5 |                                     | 5
6 | Please use the phone next to you         | 6
7 | to call Customer Service.               | 7
8 |                                     | 8
9 |                                     | 9
10|                                     | 10
11|                                     | 11
12| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 12 cant_return1/cant_return1C
13| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 13 cant_return1a/cant_return1aC
14|                                     | 14
15| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 15 call_cs1/call_cs1C
16| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 16 call_cs1a/call_cs1aC
17| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 17 call_cs1b/call_cs1bC
18|                                     | 18
19|                                     | 19
20|                                     | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|----------------|-----|--------|---------|--|
| cant_return1 | O | X(38) | L | If the secondary language of this CAT is English, display "I'm sorry. I can't return your card". |
| cant_return1C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| cant_return1a | O | X(38) | L | If the secondary language of this CAT is English, display "right now." |
| cant_return1aC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| call_cs1 | O | X(38) | L | If the secondary language of this CAT is English, display "Please use the phone next to you". |
| call_cs1C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Standard Data Elements: Screen PS6009 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|--------|---------|---|
| call_cs1a | O | X(38) | L | If the secondary language of this CAT is English, display "to call Customer Service." |
| call_cs1aC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| call_cs1b | O | X(38) | L | If the secondary language of this CAT is English, leave blank. |
| call_cs1bC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 2-5.

Screen PS6009A. Can't Return Card - One Language

```
1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1|                                     |1
2|                                     |2
3|                                     |3
4|                                     |4
5|                                     |5
6| I'm sorry. I can't return your card |6
7| right now.                         |7
8|                                     |8
9| Please use the phone next to you   |9
10| to call Customer Service.         |10
11|                                   |11
12|                                   |12
13|                                   |13
14|                                   |14
15|                                   |15
16|                                   |16
17|                                   |17
18|                                   |18
19|                                   |19
20|                                   |20
+-----+
```

Screen Transition: See Figure 2-5.

Screen PS6010. Please Take Your Card - Two Languages

```

11111111112222222222333333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 |           Please take your card.   | 6
7 |                                     | 7
8 |                                     | 8
9 |                                     | 9
10 |                                    | 10
11 |                                    | 11
12 |                                    | 12
13 |XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX| 13 take_card1/take_card1C
14 |                                    | 14
15 |                                    | 15
16 |                                    | 16
17 |                                    | 17
18 |                                    | 18
19 |                                    | 19
20 |                                    | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|--|
| take_card1 | O | X(38) | C | If the secondary language of this CAT is English, display "Please take your card." |
| take_card1C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 2-2.

Screen PS6010A. Please Take Your Card - One Language

| | |
|--|----|
| 1111111111222222222233333333334 | |
| 1234567890123456789012345678901234567890 | |
| +-----+ | |
| 1 | 1 |
| 2 | 2 |
| 3 | 3 |
| 4 | 4 |
| 5 | 5 |
| 6 | 6 |
| 7 | 7 |
| 8 | 8 |
| 9 | 9 |
| 10 | 10 |
| 11 | 11 |
| 12 | 12 |
| 13 | 13 |
| 14 | 14 |
| 15 | 15 |
| 16 | 16 |
| 17 | 17 |
| 18 | 18 |
| 19 | 19 |
| 20 | 20 |
| +-----+ | |

Please take your card.

Screen Transition: See Figure 2-2.

Overlay PS6011. Blank

| | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|
| 111111111122222222223333333334 | | | | | | | | | | | | | | | | | | | |
| 1234567890123456789012345678901234567890 | | | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | | | 1 |
| 2 | | | | | | | | | | | | | | | | | | | 2 |
| 3 | | | | | | | | | | | | | | | | | | | 3 |
| 4 | | | | | | | | | | | | | | | | | | | 4 |
| 5 | | | | | | | | | | | | | | | | | | | 5 |
| 6 | | | | | | | | | | | | | | | | | | | 6 |
| 7 | | | | | | | | | | | | | | | | | | | 7 |
| 8 | | | | | | | | | | | | | | | | | | | 8 |
| 9 | | | | | | | | | | | | | | | | | | | 9 |
| 10 | | | | | | | | | | | | | | | | | | | 10 |
| 11 | | | | | | | | | | | | | | | | | | | 11 |
| 12 | | | | | | | | | | | | | | | | | | | 12 |
| 13 | | | | | | | | | | | | | | | | | | | 13 |
| 14 | | | | | | | | | | | | | | | | | | | 14 |
| 15 | | | | | | | | | | | | | | | | | | | 15 |
| 16 | | | | | | | | | | | | | | | | | | | 16 |
| 17 | | | | | | | | | | | | | | | | | | | 17 |
| 18 | | | | | | | | | | | | | | | | | | | 18 |
| 19 | | | | | | | | | | | | | | | | | | | 19 |
| 20 | | | | | | | | | | | | | | | | | | | 20 |

Screen Transition: See Figure 2-2.

Overlay PS6012. Touch to Return Card - Two Languages

| | |
|--|-------------------|
| 1111111111222222222233333333334 | |
| 1234567890123456789012345678901234567890 | |
| 1 | 1 |
| 2 | 2 |
| 3 | 3 |
| 4 | 4 |
| 5 | 5 |
| 6 | 6 |
| 7 | 7 |
| 8 | 8 |
| 9 | 9 |
| 10 | 10 |
| 11 | 11 |
| 12 | 12 |
| 13 | 13 |
| 14 | 14 |
| 15 | 15 |
| 16 | 16 |
| 17 | 17 |
| 18 | 18 |
| 19 | 19 touch1/touch1C |
| 20 | 20 |

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|--|
| touch1 | O | X(51) | C | If the secondary language of this CAT is English, display "Please touch here to return your card". |
| touch1C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 2-2.

Overlay PS6012A: Touch to Return Card - Two Languages

| | |
|--|---------------------------------------|
| 1111111111222222222233333333334 | |
| 1234567890123456789012345678901234567890 | |
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |
| 6 | |
| 7 | |
| 8 | |
| 9 | |
| 10 | |
| 11 | |
| 12 | |
| 13 | |
| 14 | |
| 15 | |
| 16 | |
| 17 | |
| 18 | |
| 19 | Please touch here to return your card |
| 20 | |

Screen Transition: See Figure 2-2:

Screen PS6013. Application Error - Two Languages

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1|                                     1
2|                                     2
3| I'm sorry. I can't do that right now. 3
4|                                     4
5|                                     5
6|                                     6
7|                                     7
8|                                     8
9|                                     9
10|                                    10
11|                                    11
12|                                    12
13| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX 13 error1/error1C
14| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX 14 error1a/error1aC
15|                                    15
16|                                    16
17|                                    17
18|                                    18
19|                                    19
20|                                    20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|---|
| error1 | O | X(38) | L | If the secondary language of this CAT is English, display "I'm sorry. I can't do that right now." |
| error1C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| error1a | O | X(38) | L | If the secondary language of this CAT is English, leave blank. |
| error1aC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 2-7.

Screen PS6013A. Application Error - One Language

111111111122222222223333333334
1234567890123456789012345678901234567890

| | | |
|----|---------------------------------------|----|
| 1 | | 1 |
| 2 | | 2 |
| 3 | | 3 |
| 4 | | 4 |
| 5 | | 5 |
| 6 | | 6 |
| 7 | | 7 |
| 8 | | 8 |
| 9 | | 9 |
| 10 | I'm sorry. I can't do that right now. | 10 |
| 11 | | 11 |
| 12 | | 12 |
| 13 | | 13 |
| 14 | | 14 |
| 15 | | 15 |
| 16 | | 16 |
| 17 | | 17 |
| 18 | | 18 |
| 19 | | 19 |
| 20 | | 20 |

Screen Transition: See Figure 2-7.

Screen PS6014. Please Take Card Out - Two Languages

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1|                                     1|
2|                                     2|
3| Please take your card out -        3|
4| so I can help you.                 4|
5|                                     5|
6|                                     6|
7|                                     7|
8|                                     8|
9|                                     9|
10|                                    10|
11|                                    11|
12|                                    12|
13| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX 13 take_out1/take_out1C
14| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX 14 take_out1a/take_out1aC
15|                                    15|
16|                                    16|
17|                                    17|
18|                                    18|
19|                                    19|
20|                                    20|
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|--|
| take_out1 | O | X(38) | L | If the secondary language of this CAT is English, display "Please take your card out - " |
| take_out1C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| take_out1a | O | X(38) | L | If the secondary language of this CAT is English, display "so I can help you." |
| take_out1aC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 2-1.

Comments: This screen should "boop" once per second until either the card is removed or it times out after 17.5 seconds.

Screen PS6014A. Please Take Card Out - One Language

```
111111111122222222223333333334
1234567890123456789012345678901234567890

1 | 1
2 | 2
3 | 3
4 | 4
5 | 5
6 | 6
7 | 7
8 | 8
9 | Please take your card out -
10 | so I can help you.
11 |
12 |
13 |
14 |
15 |
16 |
17 |
18 |
19 |
20 |
```

Screen Transition: See Figure 2-1.

Comments: This screen should “boop” once per second until either the card is removed or it times out after 17.5 seconds.

Screen PS6015. Second Take Out Card - Two Languages

```

1111111111222222222233333333334
123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 | I'm sorry. I can't help you while | 3
4 | your card is in the slot.         | 4
5 |                                     | 5
6 | Please take your card out so we  | 6
7 | can start again.                  | 7
8 |                                     | 8
9 |                                     | 9
10|                                     | 10
11|                                     | 11
12| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 12 cant_help1/cant_help1C
13| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 13 cant_help1a/cant_help1aC
14|                                     | 14
15| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 15 start_again1/start_again1C
16| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 16 start_again1a/start_again1aC
17|                                     | 17
18|                                     | 18
19|                                     | 19
20|                                     | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|---------------|-----|--------|---------|--|
| cant_help1 | O | X(38) | L | If the secondary language of this CAT is English, display "I'm sorry. I can't help you while". |
| cant_card1C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| cant_help1a | O | X(38) | L | If the secondary language of this CAT is English, display "your card is in the slot.". |
| cant_help1aC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| start_again1 | O | X(38) | L | If the secondary language of this CAT is English, display "Please take your card out so we". |
| start_again1C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Standard Data Elements: Screen PS6015 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|----------------|-----|--------|---------|--|
| start_again1a | O | X(38) | L | If the secondary language of this CAT is English, display "can start again." |
| start_again1aC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 2-1.

Comments: No "booping"; timeout is 120 seconds.

Screen PS6015A. Second Take Out Card - One Language

```
111111111122222222223333333334.  
1234567890123456789012345678901234567890  
+-----+  
1 |                                     | 1  
2 |                                     | 2  
3 |                                     | 3  
4 |                                     | 4  
5 |                                     | 5  
6 |                                     | 6  
7 |                                     | 7  
8 | I'm sorry. I can't help you while | 8  
9 | your card is in the slot.         | 9  
10|                                     | 10  
11| Please take your card out so we   | 11  
12| can start again.                   | 12  
13|                                     | 13  
14|                                     | 14  
15|                                     | 15  
16|                                     | 16  
17|                                     | 17  
18|                                     | 18  
19|                                     | 19  
20|                                     | 20  
+-----+
```

Screen Transition: See Figure 2-1.

Comments: No "booping"; timeout is 120 seconds.

Screen PS6016. Bad Read, Please Re-Dip - Two Languages

```

111111111122222222223333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 | I'm sorry.  I couldn't read your card | 3
4 | that time.                               | 4
5 |                                     | 5
6 | Please put your card in the slot         | 6
7 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 7 ins_card1a
8 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 8 ins_card1b
9 |                                     | 9
10 |                                    | 10
11 |                                    | 11
12 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 12 couldnt_read1/couldnt_read1C
13 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 13 couldnt_read1a/couldnt_read1aC
14 |                                    | 14
15 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 15 ins_card2/ins_card2C
16 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 16 ins_card2a/ins_card2aC
17 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 17 ins_card2b/ins_card2bC
18 |                                    | 18
19 |                                    | 19
20 |                                    | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|--------|---------|---|
| ins_card1a | O | X(38) | L | Display one of the following based on the type of CAT hardware in use: CAT/dip - "to your right and take it out -" CAT/transport - "above." DUCAT/transport - "to your left." DUCAT/dip - "to your left and take it out -" PC CAT - "and take it out - so I can help you." |

Standard Data Elements: Screen PS6016 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------------|-----|--------|---------|---|
| ins_card1b | O | X(38) | L | Display one of the following based on the type of CAT hardware in use: CAT/dip - "so I can help you." CAT/transport - blank DUCAT/transport - blank DUCAT/dip - "so I can help you." PC CAT - blank |
| couldnt_read1 | O | X(38) | L | If the secondary language of this CAT is English, display "I'm sorry. I couldn't read your card". |
| couldnt_read1C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| couldnt_read1a | O | X(38) | L | If the secondary language of this CAT is English, display "that time.". |
| couldnt_read1aC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| ins_card2 | O | X(38) | L | If the secondary language of this CAT is English, display "Please put your card in the slot". |
| ins_card2C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| ins_card2a | O | X(38) | L | If the secondary language of this CAT is English, display one of the following based on the type of CAT hardware in use: CAT/dip - "to your right and take it out -" CAT/transport - "above." DUCAT/transport - "to your left." DUCAT/dip - "to your left and take it out -" PC CAT - "and take it out - so I can help you." |
| ins_card2aC | O | C(17) | L | See the appropriate non-English language ICC APS for text to display. |

Standard Data Elements: Screen PS6016 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|--|
| ins_card2b | O | X(38) | L | Display one of the following based on the type of CAT hardware in use: CAT/dip - "so I can help you." CAT/transport - blank DUCAT/transport - blank DUCAT/dip - "so I can help you." PC CAT - blank |
| ins_card2bC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 2-1a.

Comments: Screen should "boop" once when first presented. Timeout is 7 seconds.

Screen PS6016A. Bad Read, Please Re-Dip - One Language

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1|                                     |1
2|                                     |2
3|                                     |3
4|                                     |4
5|                                     |5
6|                                     |6
7|                                     |7
8| I'm sorry. I couldn't read your card |8
9| that time.                           |9
10|                                     |10
11| Please put your card in the slot     |11
12| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |12 ins_card1a
13| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |13 ins_card1b
14|                                     |14
15|                                     |15
16|                                     |16
17|                                     |17
18|                                     |18
19|                                     |19
20|                                     |20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|--------|---------|---|
| ins_card1a | O | X(38) | L | Display one of the following based on the type of CAT hardware in use: CAT/dip - "to your right and take it out -" CAT/transport - "above." DUCAT/transport - "to your left." DUCAT/dip - "to your left and take it out -" PC CAT - "and take it out - so I can help you." |

Standard Data Elements: Screen PS6016A (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|--------|---------|--|
| ins_card1b | O | X(38) | L | Display one of the following based on the type of CAT hardware in use: CAT/dip - "so I can help you." CAT/transport - blank DUCAT/transport - blank DUCAT/dip - "so I can help you." PC CAT - blank |

Screen Transition: See Figure 2-1a.

Comments: Screen should "boop" once when first presented. Timeout is 7 seconds.

Screen PS6017. Enter Card Number

```

1111111111222222222233333333334
1234567890123456789012345678901234567890

```

| | | | | | |
|----|----------------------------------|---|---|---------|-----------|
| 1 | | | | | 1 |
| 2 | Please tell me your card number. | | | | 2 |
| 3 | Then touch ENTER. | | | | 3 |
| 4 | (Touch CLEAR to erase.) | | | | 4 |
| 5 | +-----+ | | | | 5 |
| 6 | ----- | | | | 6 card_id |
| 7 | +-----+ | | | | 7 |
| 8 | | | | | 8 |
| 9 | 1 | 2 | 3 | | 9 |
| 10 | | | | | 10 |
| 11 | +-----+ | | | ENTER | 11 |
| 12 | | | | | 12 |
| 13 | 4 | 5 | 6 | | 13 |
| 14 | | | | | 14 |
| 15 | +-----+ | | | | 15 |
| 16 | | | | CLEAR | 16 |
| 17 | 7 | 8 | 9 | | 17 |
| 18 | +-----+ | | | +-----+ | 18 |
| 19 | | | | EXIT | 19 |
| 20 | | | | +-----+ | 20 |

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|---|
| card_id | I | 9(19) | L | Must be ≥ 6 and ≤ 19 digits. As the number is entered, display the digits from left to right. |

Screen Transition: See Figure 2-9.

PRC PS6025. Off-Us Local Processing

Screen Transition: See Figure 2-1a.

Comments: At this point, the ICC Generic Product Select application returns if it cannot process the card.

The main purpose of this entry point is to allow local Off-Us processing of cards that are either not recognized by ICC or recognized as local Off-Us by ICC.

For ICC Standalone Card Processing, there is no local Off-Us support, so it is expected that the ICC Generic Product Select application would return a card class of "unsupported". If so, the unsupported card error screen is displayed and the session is ended, returning the card if necessary.

If any other card class is returned, it is treated as a bad card read.

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Appendix A

CAT Application Logs

The following Product Select events are logged by the ICC Standalone Card Processing application:

- Start of Session
- End of Session
- Nonzero Action Code (AC) Response for a Retry Message

Table A-1 details what data elements should be logged for each event.

Table A-1. Product Select Log Elements

| Data Element | Start of Session | End of Session | Nonzero AC on Retry Message |
|------------------------|-------------------------|-----------------------|------------------------------------|
| Transaction Date | Yes | Yes | Yes |
| Transaction Time | Yes | Yes | Yes |
| Transaction Type Code | "SOS" | "EOS" | "RETRY_MSG" |
| Card Number | Yes | Yes | Yes |
| Completion Code | No | Yes | Yes |
| Completion Reason Code | No | Yes | Yes |
| Record Given Flag | No | Yes | Yes |
| Card Capture Code | No | Yes ¹ | Yes ¹ |
| Card Refused Code | No | Yes ¹ | Yes ¹ |

¹ Log only if set.

Appendix B

CAT Administrative Functions

All ICC Standalone regional businesses use the Administrative application defined by the *Standard CAT Administrative Application Product Specification*, TTI-93-0002.

The Administrative application displays counters for withdrawals of all supported currency types, plus the transaction counters in Table B-1, on Screens 3714, 3715, and 3742.

Table B-1. Counter Definition Configuration Table

| Counter Description | OP_Cnt_Cde | Total Flag |
|----------------------|------------|------------|
| English: | | |
| Balance Inquiry | BI | Yes |
| Transfers | TR | Yes |
| Records Printed | PR | No |
| Cards Refused | CR | No |
| Cards Captured | CC | No |
| German: | | |
| Kontostandsabfrage | BI | Yes |
| Interne Ueberw. | TR | Yes |
| Belege gedruckt | PR | No |
| Karten abgelehnt | CR | No |
| Eingezogene Karten | CC | No |
| French: | | |
| Consulation Solde | BI | Yes |
| Transferts Internes | TR | Yes |
| Impression Documents | PR | No |
| Carte Refusee | CR | No |
| Carte Capturee | CC | No |
| Dutch: | | |
| Saldo Consultatie | BI | Yes |
| Eigen Overschrijving | TR | Yes |
| Afschrift Documenten | PR | No |
| Kaart Weigering | CR | No |
| Kaart Ingehouden | CC | No |
| Castilian: | | |
| Peticiones de Saldo | BI | Yes |
| Traspasos | TR | Yes |
| Resguardos Dados | PR | No |
| Tarjetas Rehazadas | CR | No |
| Tarjetas Capturadas | CC | No |

Table B-2 and Table B-3 list additional configurable parameters that control other aspects of the Administrative application. If more than one value is indicated, the option is configurable during installation.

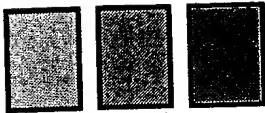
Table B-2. Miscellaneous Administrative Configurable Options

| Parameter | Value |
|---|---|
| Magic Middle (MM) Device Supported | No |
| Force display of totals and counters before proof | Yes/No |
| Offer option to proof using host totals | Yes/No |
| Force proof even if out of balance - no supervisor option | Yes/No |
| Display cash summary screen after adding cash or setting totals | Yes/No |
| Force return of CAT to service after exiting from ADMIN | Yes |
| Check access number (PIN) at front-end instead of locally | Yes/No |
| Change access number (PIN) supported | Yes/No |
| Display transaction counters by card class as well as totals | Yes/No |
| Language | English, German, French, Dutch, Castilian |

Table B-3. Card Class Name Configurable Table

| Card Class | Card Class Name |
|-------------------|------------------------|
| 02 | ICC Citicards |
| 04 | ICC Credit Cards |
| 10-13 | Non-Citicorp Cards |

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Transaction Technology, Inc.



3100 Ocean Park Blvd.
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90405

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Standalone Card Processing for International Citicard (ICC) CAT Application Product Specification

May 23, 1996

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Application Product Specification*

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Preface

This Application Product Specification (APS) is one of a series of TTI specifications that define the global CAT products and their ICC applications.

It supports the Global Consumer Bank's (GCB) requirements for Phase 5 of the Global ICC project. The intended audience is GCB and TTI development managers and staff.

This APS applies to, and provides standards for, all CAT and CAT-based Citibanking platforms, including CAT, DUCAT, PC CAT, and production Customer Activated Sales and Service Terminal (CASST).

This APS is organized as follows:

Chapter 1 Introduction

provides an overview of the Card Processing for the ICC Standalone CAT application. It also provides the definitions, terms, conventions, and application defaults used by this application.

Chapter 2 ICC Standalone Card Processing

provides screen flow diagrams and language screens for the Standalone Card Processing.

Appendix A CAT Application Logs

lists the data elements logged for each Card Processing event.

Appendix B CAT Administrative Functions

provides counter displays for withdrawals of all supported currency types.

Conventions

The following convention pertains to this publication:

Where the functionality for all CAT devices is identical, the term "CAT" is used.

Related Reading

The following documents are related to the subject matter of this publication:

- Transaction Technology, Inc., *Release Information Bulletin ICC603*, TTI-96-0001-03, TTI, Santa Monica, California, 1996.
- Transaction Technology, Inc., *Common CAT Configuration (CAT.ev) File Parameters*, TTI-96-0003-00, TTI, Santa Monica, California, 1996.
- Transaction Technology, Inc., *CAT/FEP Message-Level Interface Specification, Volume I—Common CAT*, TTI-95-0067-00, TTI, Santa Monica, California, 1996.
- Transaction Technology, Inc., *Common CAT 2 Network Error Codes*, TTI-95-0066-00, TTI, Santa Monica, California, 1996.
- Transaction Technology, Inc., *Common CAT 2 Specification*, TTI-94-0129-00, TTI, Santa Monica, California, 1995.
- Transaction Technology, Inc., *Global International Citicard (ICC) CAT Application Product Specification*, TTI-96-0037-00, TTI, Santa Monica, California, 1996.
- Transaction Technology, Inc., *Card Processing for Standalone ICC CAT Application Product Specification—Portuguese*, A-978, TTI, Santa Monica, California, 1996.
- Transaction Technology, Inc., *Card Processing for Standalone ICC CAT Application Product Specification—Chinese*, A-979, TTI, Santa Monica, California, 1996.
- Transaction Technology, Inc., *Card Processing for Standalone ICC CAT Application Product Specification—Italian*, A-980, TTI, Santa Monica, California, 1996.
- Transaction Technology, Inc., *Card Processing for Standalone ICC CAT Application Product Specification—Korean*, A-981, TTI, Santa Monica, California, 1996.
- Transaction Technology, Inc., *Card Processing for Standalone ICC CAT Application Product Specification—Japanese*, A-982, TTI, Santa Monica, California, 1996.
- Transaction Technology, Inc., *Card Processing for Standalone ICC CAT Application Product Specification—Greek*, A-983, TTI, Santa Monica, California, 1996.
- Transaction Technology, Inc., *Card Processing for Standalone ICC CAT Application Product Specification—French*, A-984, TTI, Santa Monica, California, 1996.

Transaction Technology, Inc., *Card Processing for Standalone ICC CAT Application Product Specification—German*, A-985, TTI, Santa Monica, California, 1996.

Transaction Technology, Inc., *Card Processing for Standalone ICC CAT Application Product Specification—Dutch*, A-986, TTI, Santa Monica, California, 1996.

Transaction Technology, Inc., *Card Processing for Standalone ICC CAT Application Product Specification—Spanish*, A-987, TTI, Santa Monica, California, 1996.

Transaction Technology, Inc., *Standard CAT Administrative Application Product Specification*, TTI-93-0002-03, TTI, Santa Monica, California, 1995.

*Standalone Card Processing for International Citicard (ICC) CAT
Application Product Specification*

Chapter 8

ICC Card Processing

ICC Standalone Card Processing is the application that controls the start of session, the initial card read, and routing to the generic ICC applications. The Standalone Card Processing Application is used only by ICC CATs that run only ICC applications and no local CAT applications. ICC Standalone CATs accept only ICC cards—no local cards are accepted.

8.1 Languages

Each screen in Standalone Card Processing may be displayed in either one or two languages, depending upon the language configuration of the CAT. If the CAT is configured for two languages, the languages are designated as primary and secondary. If only one language is set in the configuration, it is, by default, the primary language.

For clarity, only the two language screens have been referenced in the flowcharts. The single-language versions have been assigned the same screen number with a designator "A" appended to them. For example, Screen 6007 is the Out of Service - Two Language screen, and Screen 6007A is the Out of Service - One Language screen.

This is the English version of ICC Standalone Card Processing. These screens are used by all ICC Standalone CAT configurations in which English is the primary language. The secondary language may be any other language.

This APS also contains the variable text to use on secondary language portions for all screens where English is the secondary language. For variable text for all non-English languages, see the appropriate ICC language "Phrase by Screen Report".

8.2 Processing Overview

Following are the steps that comprise processing:

3. Check if an infinite retry message was sent. If so, check if a response has been received. Process accordingly.
4. Check the status of the devices. If the card reader or the touchscreen is down, take the CAT out of service. If they are up, continue.
5. Display the appropriate Hello screen. Wait for card insert/dip.
6. When a card is inserted, validate it for valid International Organization for Standardization (ISO) format.
7. If the device is a PC CAT configured for cardless access and the button for cardless access is activated, display a screen to capture the card identification number (CIN).
8. If the read was good, go to the ICC Generic Product Select (PN) application, whether the card was found in the ICC language table or not. If the read was not good, display an appropriate error screen and either time out (dip readers), or go through the Return Card routine (transport readers).
9. If the PN application is unable to process this card, it is returned to this application. For a Standalone ICC, it should always return a card class of unsupported if it cannot process the card. Otherwise, it is treated as a bad card read. In either case, display an appropriate error screen and either time out (dip readers) or go through the Return Card routine (transport readers).
10. Restart the application.

8.3 Flowcharts

This section provides the flowcharts that describe the ICC Card Processing application.

ICC Card Processing

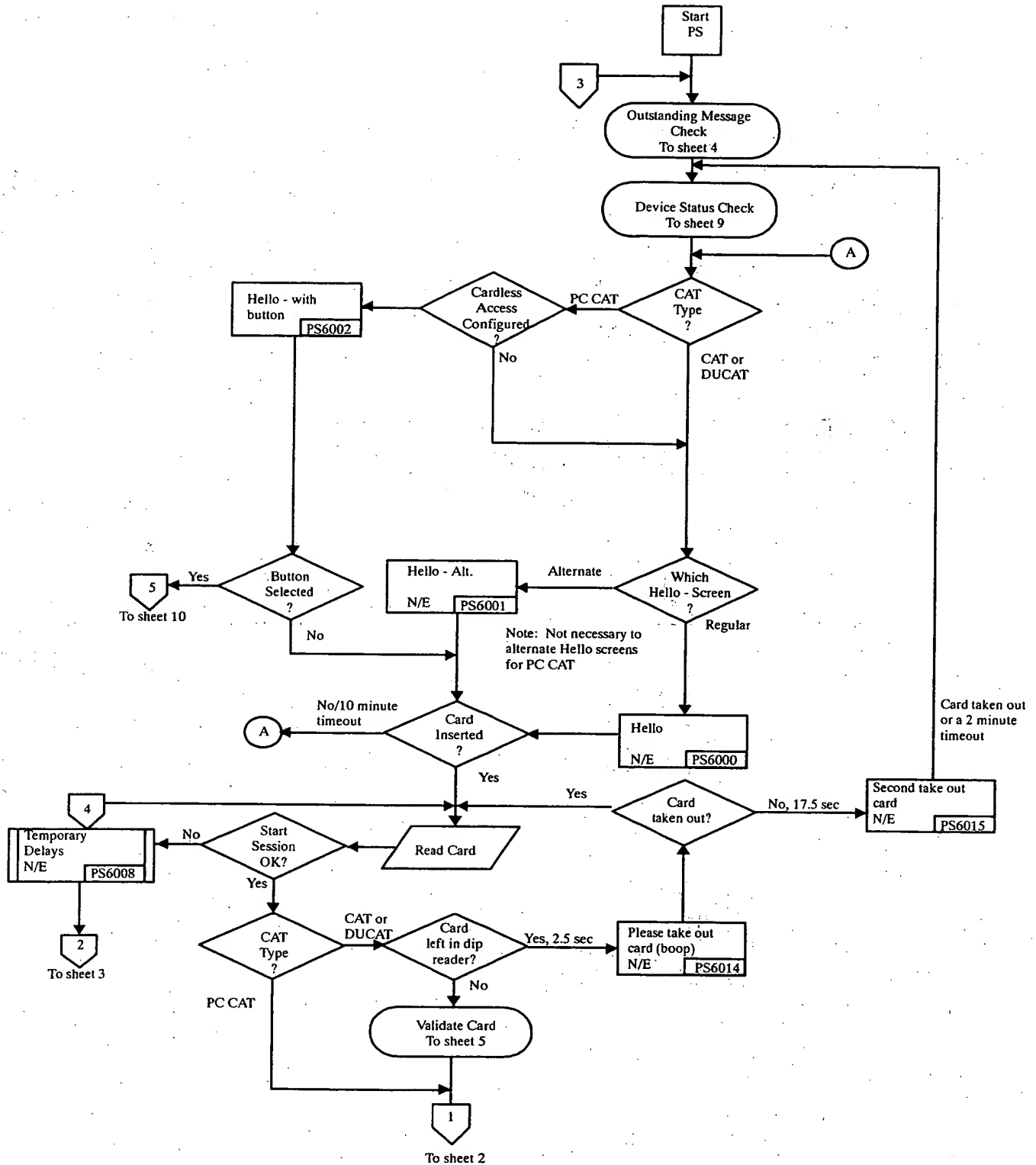


Figure 8-1. ICC Card Processing Hello and Read Card (Sheet 1 of 10)

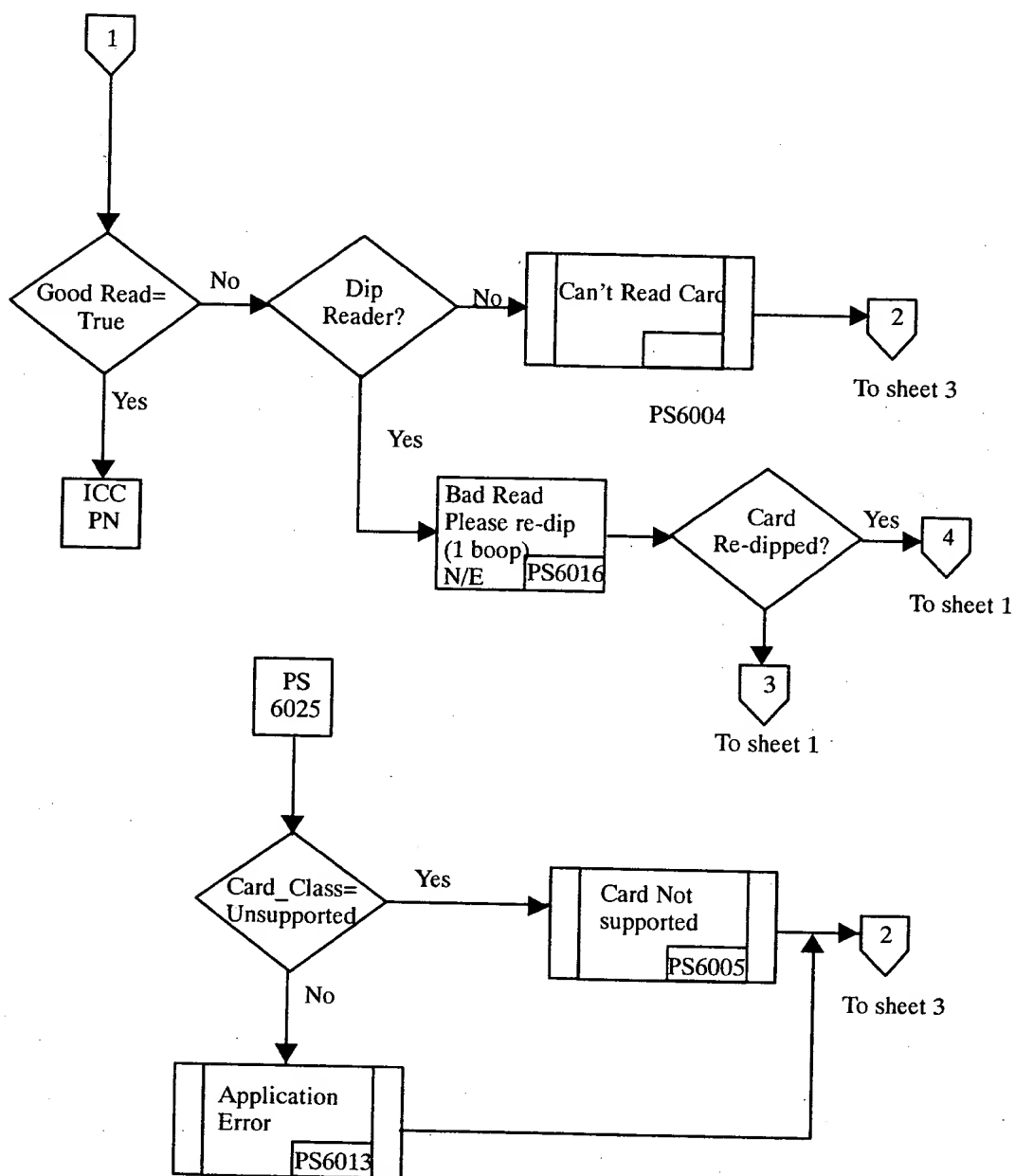


Figure 2-1a. ICC Card Processing Hello and Read Card (cont) (Sheet 2 of 10)

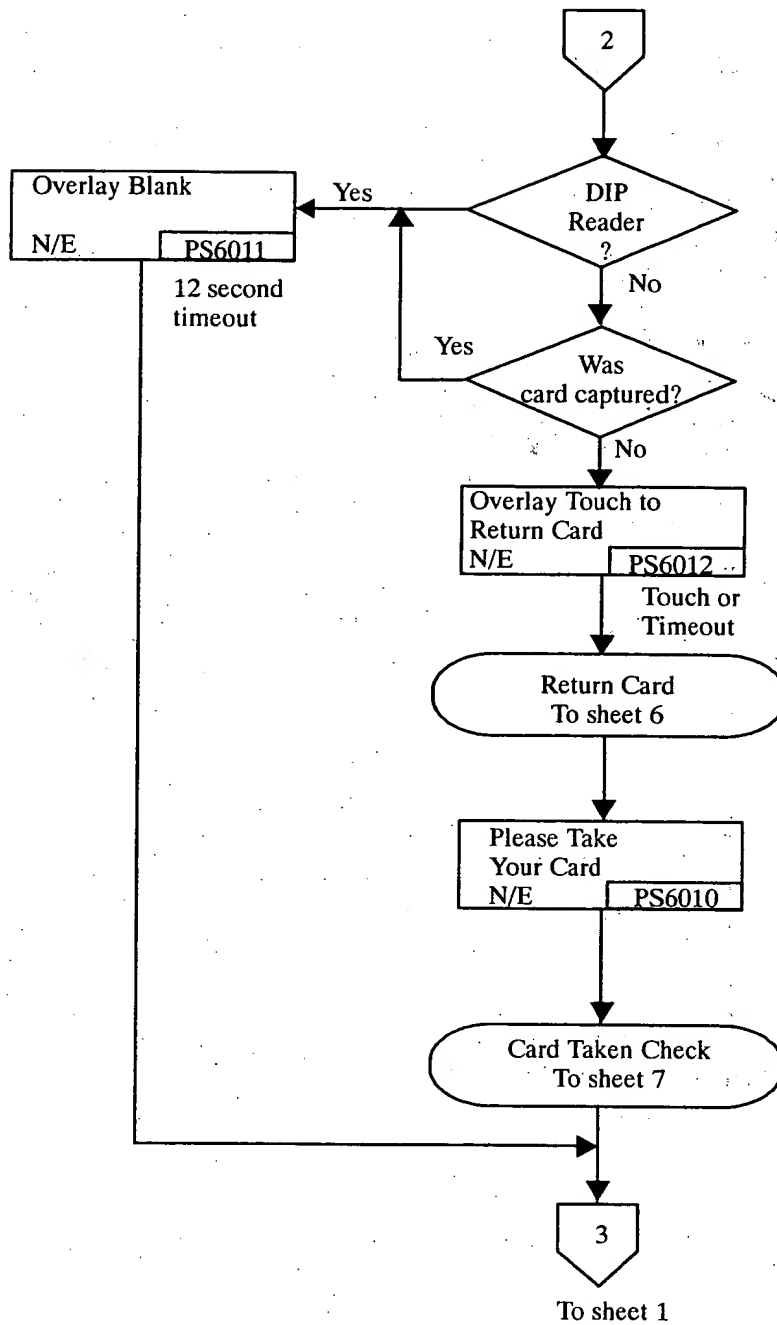


Figure 8-2. ICC Card Processing Exit (Sheet 3 of 10)

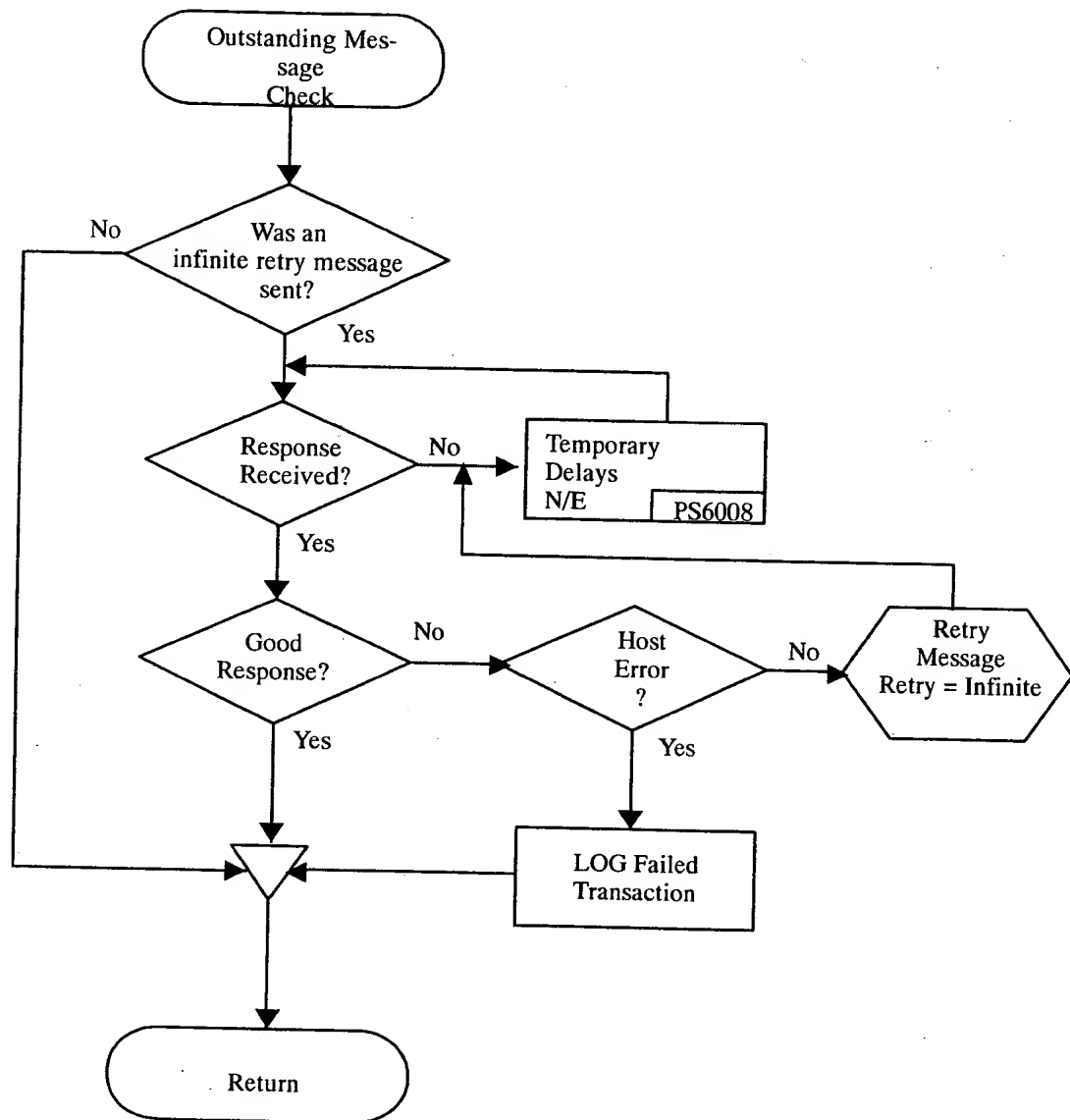


Figure 8-3. ICC Card Processing Outstanding Message Check (Sheet 4 of 10)

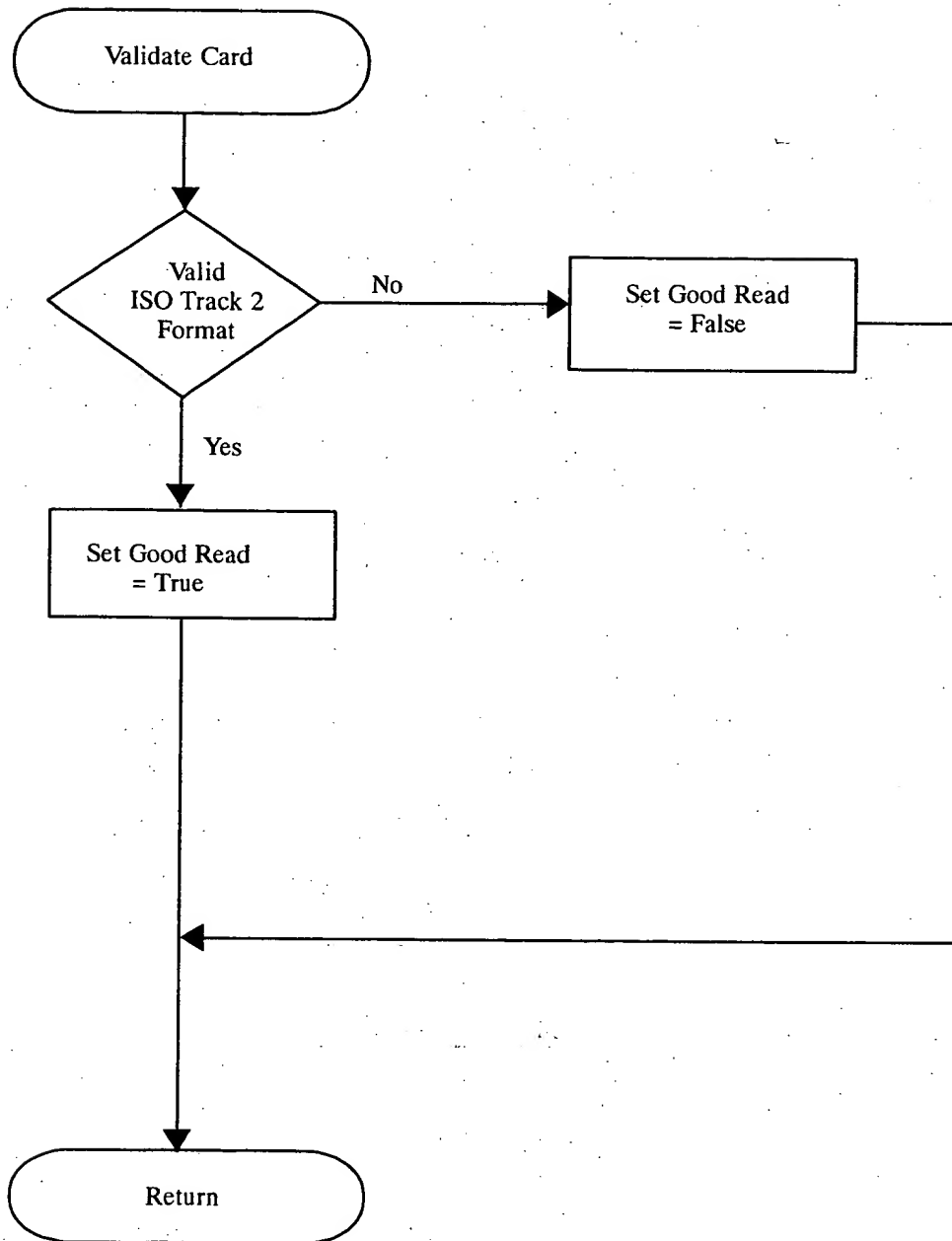


Figure 8-4. ICC Card Processing Validate Card (Sheet 5 of 10)

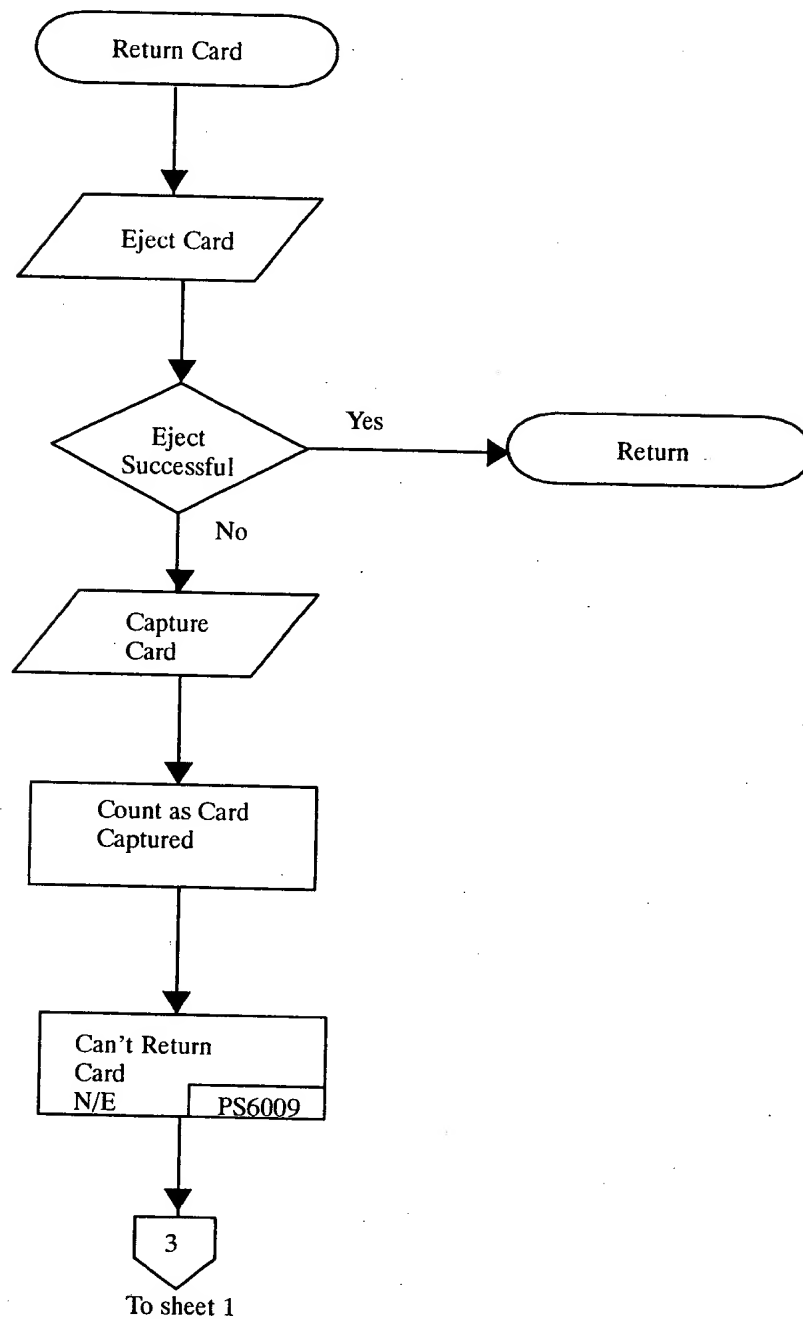


Figure 8-5. ICC Card Processing Return Card (Sheet 6 of 10)

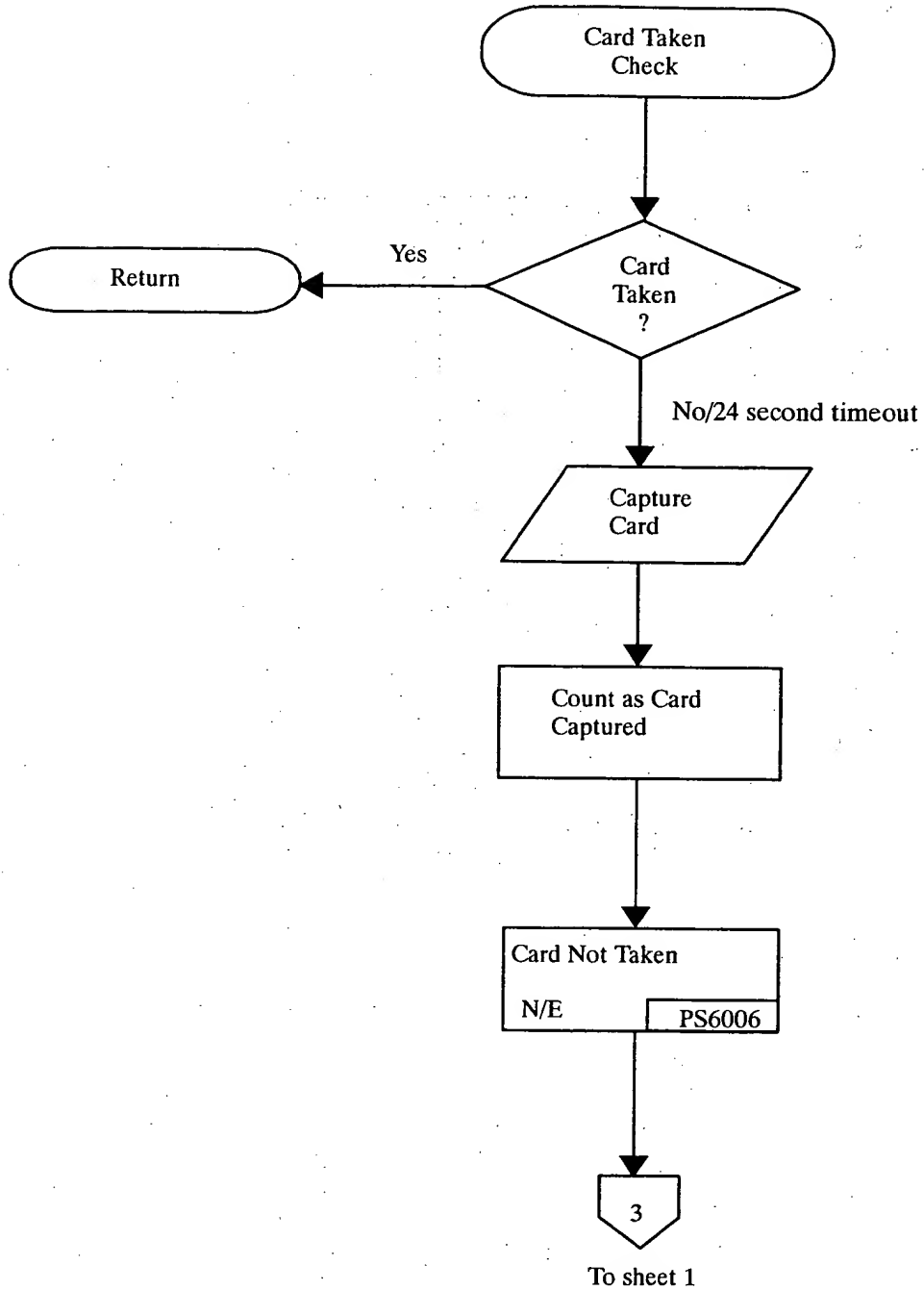


Figure 8-6. ICC Card Processing Card Taken Check (Sheet 7 of 10)

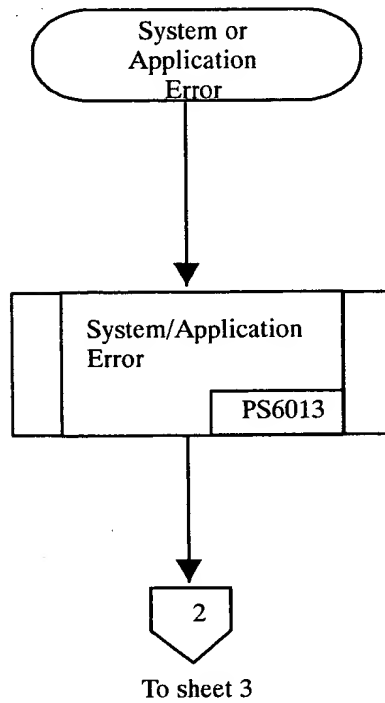


Figure 8-7. ICC Card Processing System or Application Error (Sheet 8 of 10)

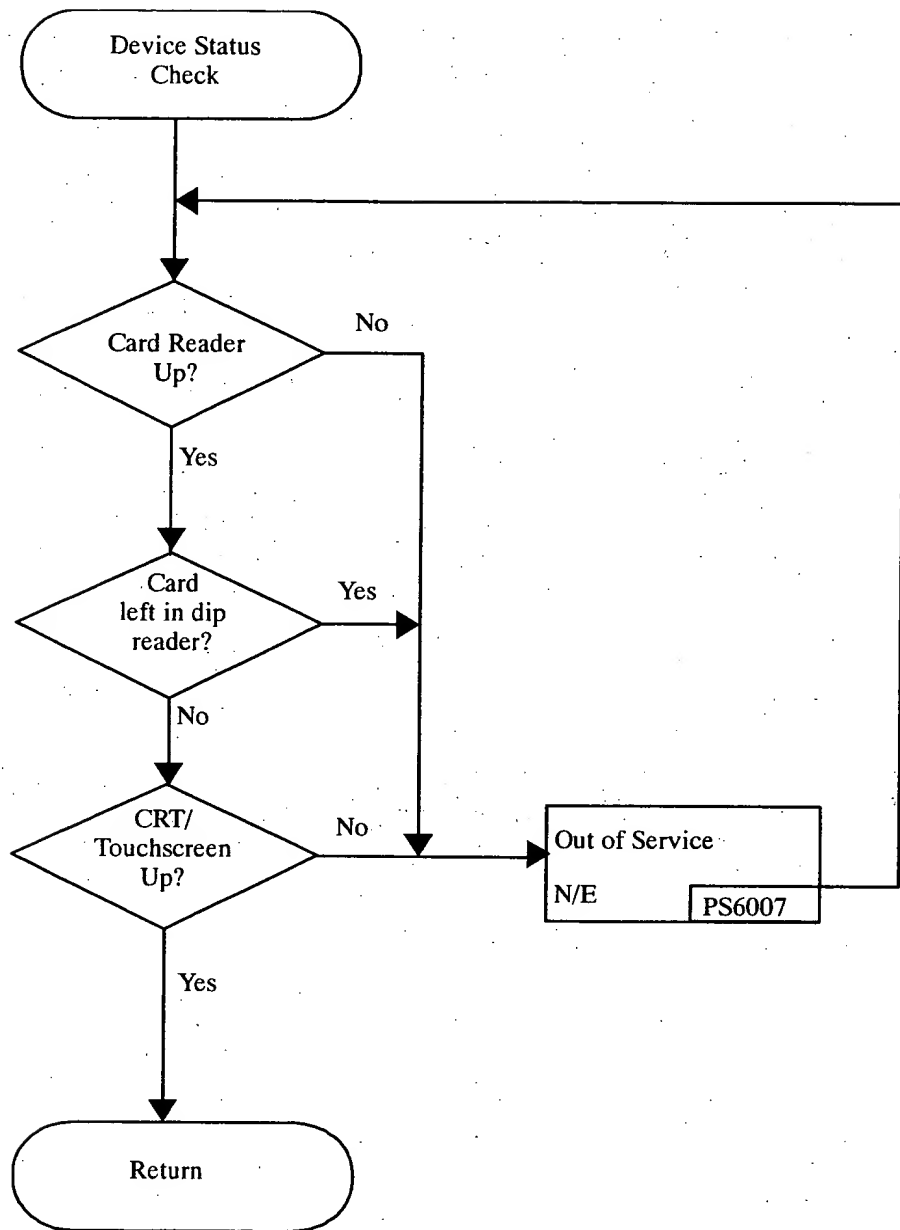


Figure 8-8. ICC Card Processing Device Status Check (Sheet 9 of 10)

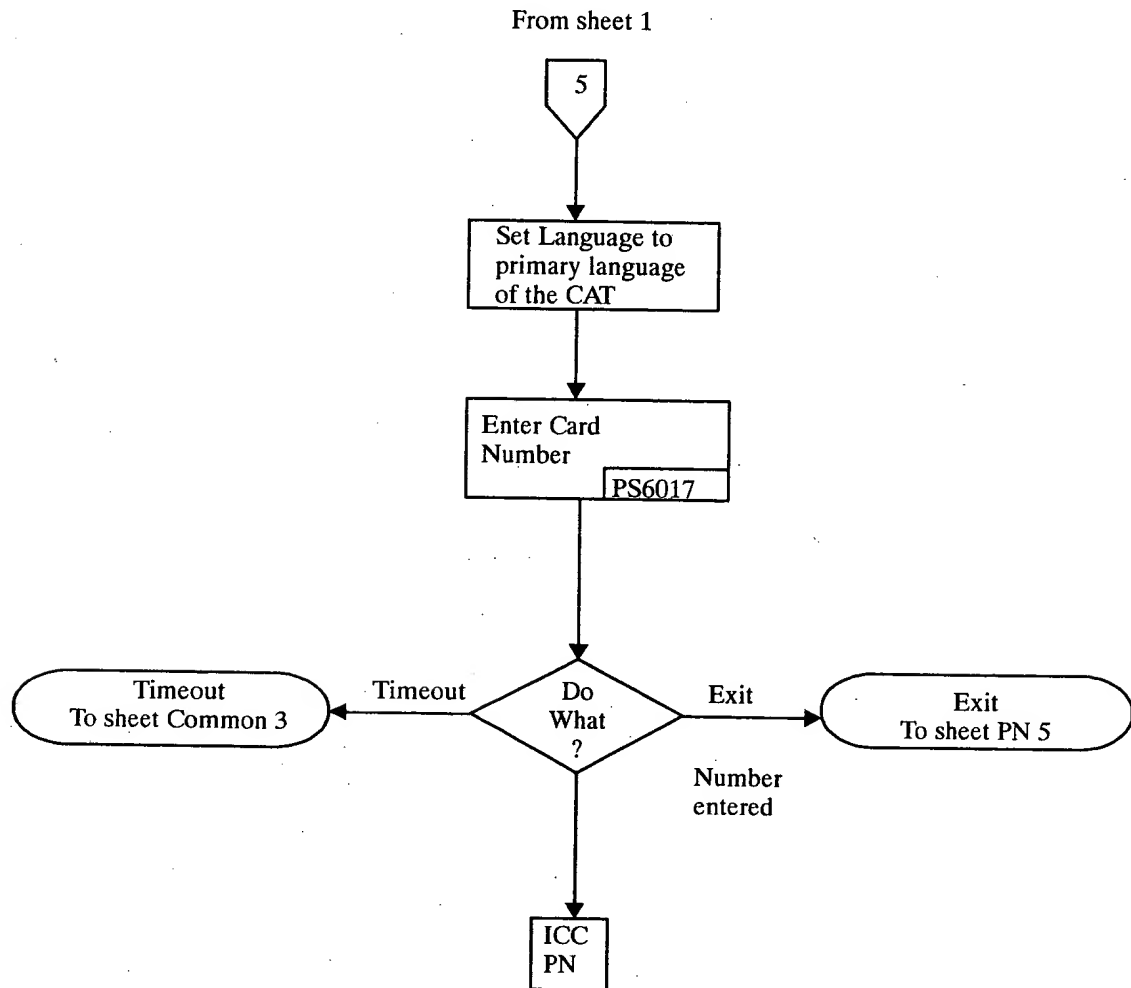


Figure 8-9. PC CAT Cardless Access (Sheet 10 of 10)

8.4 Screens

This section shows the screens and standard data elements for the ICC Card Processing application.

Standard Data Elements

8-14

Standard Data Elements: Screen PS6000 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|--------|---------|--|
| ins_card1 | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "Please put your card in the slot"</p> <p>CAT/transport - "Please put your card in the slot"</p> <p>DUCAT/transport - "Please put your card in the slot"</p> <p>DUCAT/dip - "Please put your card in the slot"</p> <p>PC CAT - "Please put your card in the slot"</p> |
| ins_card1a | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "to your right and take it out -"</p> <p>CAT/transport - "above."</p> <p>DUCAT/transport - "to your left."</p> <p>DUCAT/dip - "to your left and take it out -"</p> <p>PC CAT - "and take it out - so I can help you."</p> |
| ins_card1b | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "so I can help you."</p> <p>CAT/transport - blank</p> <p>DUCAT/transport - blank</p> <p>DUCAT/dip - "so I can help you."</p> <p>PC CAT - blank</p> |

Standard Data Elements: Screen PS6000 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|--------|---------|--|
| hello2 | O | X(38) | C | <p>If the secondary language of this CAT is English, display one of the following based on time of day:</p> <p>Morning - "Hello - May I help you?"</p> <p>Afternoon - "Hello - May I help you?"</p> <p>Evening - "Hello - May I help you?"</p> <p>Where "morning" is from 6:00 A.M. to noon, "afternoon" is from noon to 6:00 P.M., and "evening" is from 6:00 P.M. to 6:00 A.M.</p> |
| hello2a | O | X(38) | C | <p>Display one of the following based on time of day:</p> <p>Morning - blank</p> <p>Afternoon - blank</p> <p>Evening - blank</p> |
| hello2C | O | C(17) | C | See the appropriate non-English language ICC APS for text to display. |
| ins_card2 | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "Please put your card in the slot"</p> <p>CAT/transport - "Please put your card in the slot"</p> <p>DUCAT/transport - "Please put your card in the slot"</p> <p>DUCAT/dip - "Please put your card in the slot"</p> <p>PC CAT - "Please put your card in the slot"</p> |
| ins_card2C | O | C(17) | C | See the appropriate non-English language ICC APS for text to display. |

Standard Data Elements: Screen PS6000 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------------|------------|---------------|----------------|--|
| ins_card2a | O | X(38) | C | <p>If the secondary language of this CAT is English, display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "to your right and take it out -"</p> <p>CAT/transport - "above."</p> <p>DUCAT/transport - "to your left."</p> <p>DUCAT/dip - "to your left and take it out -"</p> <p>PC CAT - "and take it out - so I can help you."</p> |
| ins_card2aC | O | C(17) | C | See the appropriate non-English language ICC APS for text to display. |
| ins_card2b | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "so I can help you."</p> <p>CAT/transport - blank</p> <p>DUCAT/transport - blank</p> <p>DUCAT/dip - "so I can help you."</p> <p>PC CAT - blank</p> |
| ins_card2bC | O | C(17) | C | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 8-1.

Screen PS6000A. One Language Hello

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |                                           | 1
2 |                                           | 2
3 |                                           | 3
4 |                                           | 4
5 |                                           | 5
6 |                                           | 6
7 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 7 greeting
8 |                                           | 8 greeting1 not shown
9 |                                           | 9
10 |                                          | 10
11 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 11 ins_card1
12 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 12 ins_card1a
13 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 13 ins_card1b
14 |                                           | 14
15 |                                           | 15
16 |                                           | 16
17 |                                           | 17
18 |                                           | 18
19 |                                           | 19
20 |          © Citicorp 1990, 1995          | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|---|
| greeting | O | X(38) | C | Display one of the following based on time of day: Morning - "Hello - May I help you?" Afternoon - "Hello - May I help you?" Evening - "Hello - May I help you?" Where "morning" is from 6:00 A.M. to noon, "afternoon" is from noon to 6:00 P.M., and "evening" is from 6:00 P.M. to 6:00 A.M. |
| greeting1 | O | X(38) | C | Display one of the following based on time of day: Morning - blank Afternoon - blank Evening - blank |

Standard Data Elements: Screen PS6000A (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|--------|---------|--|
| ins_card1 | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "Please put your card in the slot"</p> <p>CAT/transport - "Please put your card in the slot"</p> <p>DUCAT/transport - "Please put your card in the slot"</p> <p>DUCAT/dip - "Please put your card in the slot"</p> <p>PC CAT - "Please put your card in the slot"</p> |
| ins_card1a | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "to your right and take it out -"</p> <p>CAT/transport - "above."</p> <p>DUCAT/transport - "to your left."</p> <p>DUCAT/dip - "to your left and take it out -"</p> <p>PC CAT - "and take it out - so I can help you."</p> |
| ins_card1b | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "so I can help you."</p> <p>CAT/transport - blank</p> <p>DUCAT/transport - blank</p> <p>DUCAT/dip - "so I can help you."</p> <p>PC CAT - blank</p> |

Screen Transition: See Figure 8-1.

Screen PS6001. Two Language Hello - Alt

| | |
|--|--------------------------------------|
| 1111111111222222222233333333334 | |
| 1234567890123456789012345678901234567890 | |
| 1 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |
| 2 | |
| 3 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |
| 4 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |
| 5 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |
| 6 | |
| 7 | |
| 8 | |
| 9 | |
| 10 | |
| 11 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |
| 12 | |
| 13 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |
| 14 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |
| 15 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |
| 16 | |
| 17 | |
| 18 | |
| 19 | © Citicorp 1990, 1995 |
| 20 | |

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|---|
| greeting | O | X(38) | C | Display one of the following based on time of day: Morning - "Hello - May I help you?" Afternoon - "Hello - May I help you?" Evening - "Hello - May I help you?" Where "morning" is from 6:00 A.M. to noon, "afternoon" is from noon to 6:00 P.M., and "evening" is from 6:00 P.M. to 6:00 A.M. |
| greeting1 | O | X(38) | C | Display one of the following based on time of day: Morning - blank Afternoon - blank Evening - blank |

Standard Data Elements: Screen PS6001 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|--------|---------|--|
| ins_card1 | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "Please put your card in the slot"</p> <p>CAT/transport - "Please put your card in the slot"</p> <p>DUCAT/transport - "Please put your card in the slot"</p> <p>DUCAT/dip - "Please put your card in the slot"</p> <p>PC CAT - "Please put your card in the slot"</p> |
| ins_card1a | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "to your right and take it out -"</p> <p>CAT/transport - "above."</p> <p>DUCAT/transport - "to your left."</p> <p>DUCAT/dip - "to your left and take it out -"</p> <p>PC CAT - "and take it out - so I can help you."</p> |
| ins_card1b | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "so I can help you."</p> <p>CAT/transport - blank</p> <p>DUCAT/transport - blank</p> <p>DUCAT/dip - "so I can help you."</p> <p>PC CAT - blank</p> |

Standard Data Elements: Screen PS6001 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|--------|---------|---|
| hello2 | O | X(38) | C | If the secondary language of this CAT is English, display one of the following based on time of day: Morning - "Hello - May I help you?" Afternoon - "Hello - May I help you?" Evening - "Hello - May I help you?" Where "morning" is from 6:00 A.M. to noon, "afternoon" is from noon to 6:00 P.M., and "evening" is from 6:00 P.M. to 6:00 A.M. |
| hello2a | O | X(38) | C | Display one of the following based on time of day: Morning - blank Afternoon - blank Evening - blank |
| hello2C | O | C(17) | C | See the appropriate non-English language ICC APS for text to display. |
| ins_card2 | O | X(38) | C | Display one of the following based on the type of CAT hardware in use: CAT/dip - "Please put your card in the slot" CAT/transport - "Please put your card in the slot" DUCAT/transport - "Please put your card in the slot" DUCAT/dip - "Please put your card in the slot" PC CAT - "Please put your card in the slot" |
| ins_card2C | O | C(17) | C | See the appropriate non-English language ICC APS for text to display. |

Standard Data Elements: Screen PS6001 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|--|
| ins_card2a | O | X(38) | C | <p>If the secondary language of this CAT is English, display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "to your right and take it out -"</p> <p>CAT/transport - "above."</p> <p>DUCAT/transport - "to your left."</p> <p>DUCAT/dip - "to your left and take it out -"</p> <p>PC CAT - "and take it out - so I can help you."</p> |
| ins_card2aC | O | C(17) | C | See the appropriate non-English language ICC APS for text to display. |
| ins_card2b | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "so I can help you."</p> <p>CAT/transport - blank</p> <p>DUCAT/transport - blank</p> <p>DUCAT/dip - "so I can help you."</p> <p>PC CAT - blank</p> |
| ins_card2bC | O | C(17) | C | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 8-1.

Screen PS6001A. One Language Hello - Alt

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |                                           | 1
2 |                                           | 2
3 |                                           | 3
4 |                                           | 4
5 |XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX| 5 greeting
6 |                                           | 6 greeting1 not shown
7 |                                           | 7
8 |XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX| 8 ins_card1
9 |XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX| 9 ins_card1a
10|XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX|10 ins_card1b
11|                                           |11
12|                                           |12
13|                                           |13
14|                                           |14
15|                                           |15
16|                                           |16
17|                                           |17
18|                                           |18
19|      © Citicorp 1990, 1995      |19
20|                                           |20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|--|
| greeting | O | X(38) | C | Display one of the following based on time of day: Morning- "Hello - May I help you?" Afternoon - "Hello - May I help you?" Evening - "Hello - May I help you?" Where "morning" is from 6:00 A.M. to noon, "afternoon" is from noon to 6:00 P.M., and "evening" is from 6:00 P.M. to 6:00 A.M. |
| greeting1 | O | X(38) | C | Display one of the following based on time of day: Morning - blank Afternoon - blank Evening - blank |

Standard Data Elements: Screen PS60001A (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|--------|---------|--|
| ins_card1 | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "Please put your card in the slot"</p> <p>CAT/transport - "Please put your card in the slot"</p> <p>DUCAT/transport - "Please put your card in the slot"</p> <p>DUCAT/dip - "Please put your card in the slot"</p> <p>PC CAT - "Please put your card in the slot"</p> |
| ins_card1a | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "to your right and take it out -"</p> <p>CAT/transport- "above."</p> <p>DUCAT/transport - "to your left."</p> <p>DUCAT/dip - "to your left and take it out -"</p> <p>PC CAT - "and take it out - so I can help you."</p> |
| ins_card1b | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "so I can help you."</p> <p>CAT/transport - blank</p> <p>DUCAT/transport - blank</p> <p>DUCAT/dip - "so I can help you."</p> <p>PC CAT - blank</p> |

Screen Transition: See Figure 8-1.

Screen PS6002. Hello with Button - Two Languages

| | |
|--|---------------------------|
| 1111111111222222222233333333334 | |
| 1234567890123456789012345678901234567890 | |
| 1 | 1 |
| 2 | 2 greeting not shown |
| 3 | 3 greeting1 not shown |
| 4 | 4 |
| 5 | 5 |
| 6 | 6 |
| 7 | 7 |
| 8 | 8 |
| 9 | 9 |
| 10 | 10 hello2/hello2C |
| 11 | 11 hello2a not shown |
| 12 | 12 |
| 13 | 13 ins_card2/ins_card2C |
| 14 | 14 ins_card2a/ins_card2aC |
| 15 | 15 ins_card2b/ins_card2bC |
| 16 | 16 |
| 17 | 17 |
| 18 | 18 no_card/no_cardC |
| 19 | 19 |
| 20 | 20 |

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|--|
| greeting | O | X(38) | C | Display one of the following based on time of day: Morning - "Hello - May I help you?" Afternoon - "Hello - May I help you?" Evening - "Hello - May I help you?" Where "morning" is from 6:00 AM to noon, "afternoon" is from noon to 6:00 PM, and "evening" is from 6:00 PM to 6:00 AM. |
| greeting1 | O | X(38) | C | Display one of the following based on time of day: Morning - blank Afternoon - blank Evening - blank |

Standard Data Elements: Screen PS6002 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|---|
| hello2 | O | X(38) | C | If the secondary language of this CAT is English, display one of the following based on time of day: Morning - "Hello - May I help you?" Afternoon - "Hello - May I help you?" Evening - "Hello - May I help you?" |
| hello2a | O | X(38) | C | Display one of the following based on time of day: Morning - blank Afternoon - blank Evening - blank |
| hello2C | O | C(17) | C | See the appropriate non-English language ICC APS for text to display. |
| ins_card2 | O | X(38) | C | If the secondary language of this CAT is English, display "Please put your card in the slot". |
| ins_card2C | O | C(17) | C | See the appropriate non-English language ICC APS for text to display. |
| ins_card2a | O | X(38) | C | If the secondary language of this CAT is English, display "and take it out - so I can help you." |
| ins_card2aC | O | C(17) | C | See the appropriate non-English language ICC APS for text to display. |
| ins_card2b | O | X(39) | C | If the secondary language of this CAT is English, display blank. |
| ins_card2bC | O | C(17) | C | See the appropriate non-English language ICC APS for text to display. |
| no_card | O | X(45) | L | If the secondary language of this CAT is English, display "Touch here if you don't have your card." |
| no_cardC | O | C(16) | L | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 8-1.

Screen PS6002A. Hello With Button - One Language

```
111111111122222222223333333334
123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 |                                     | 6
7 |      Hello - May I help you?      | 7
8 |                                     | 8
9 |                                     | 9
10 |      Please put your card in the slot | 10
11 |      and take it out - so I can help you. | 11
12 |                                     | 12
13 |                                     | 13
14 |                                     | 14
15 |                                     | 15
16 |                                     | 16
17 | +---+                               | 17
18 | +---+ Touch here if you don't have your card. | 18
19 |                                     | 19
20 |      © Citicorp 1990, 1995         | 20
+-----+
```

Screen Transition: See Figure 8-1.

Screen PS6004. Can't Read Card - Two Languages

```

111111111122222222223333333334
123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 | I'm sorry. I can't read your card | 3
4 | right now.                         | 4
5 |                                     | 5
6 |                                     | 6
7 |                                     | 7
8 |                                     | 8
9 |                                     | 9
10|                                     | 10
11|                                     | 11
12|                                     | 12
13| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 13 cant_read1/cant_read1C
14| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 14 cant_read1a/cant_read1aC
15|                                     | 15
16|                                     | 16
17|                                     | 17
18|                                     | 18
19|                                     | 19
20|                                     | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|--------------|-----|--------|---------|--|
| cant_read1 | O | X(38) | L | If the secondary language of this CAT is English, display "I'm sorry. I can't read your card". |
| cant_read1C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| cant_read1a | O | X(38) | L | If the secondary language of this CAT is English, display "right now." |
| cant_read1aC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 2-1a.

Screen PS6004A. Can't Read Card - One Language

```
111111111122222222223333333334
1234567890123456789012345678901234567890

+-----+
1 |      | 1
2 |      | 2
3 |      | 3
4 |      | 4
5 |      | 5
6 |      | 6
7 |      | 7
8 |      | 8
9 | I'm sorry. I can't read your card | 9
10| right now. | 10
11|      | 11
12|      | 12
13|      | 13
14|      | 14
15|      | 15
16|      | 16
17|      | 17
18|      | 18
19|      | 19
20|      | 20
+-----+
```

Screen Transition: See Figure 8-1a.

Screen PS6005. Card Not Supported - Two Languages

```

111111111122222222223333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 | I'm sorry. I can't handle this card | 3
4 | yet.                               | 4
5 |                                     | 5
6 |                                     | 6
7 |                                     | 7
8 |                                     | 8
9 |                                     | 9
10 |                                    | 10
11 |                                    | 11
12 |                                    | 12
13 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 13 bad_card1/bad_card1C
14 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 14 bad_card1a/bad_card1aC
15 |                                    | 15
16 |                                    | 16
17 |                                    | 17
18 |                                    | 18
19 |                                    | 19
20 |                                    | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|--|
| bad_card1 | O | X(38) | L | If the secondary language of this CAT is English, display "I'm sorry. I can't handle this card". |
| bad_card1C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| bad_card1a | O | X(38) | L | If the secondary language of this CAT is English, display "yet." |
| bad_card1aC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 2-1a.

Screen PS6005A. Card Not Supported - One Language

```
1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 |                                     | 6
7 |                                     | 7
8 |                                     | 8
9 | I'm sorry. I can't handle this card | 9
10| yet.                               | 10
11|                                   | 11
12|                                   | 12
13|                                   | 13
14|                                   | 14
15|                                   | 15
16|                                   | 16
17|                                   | 17
18|                                   | 18
19|                                   | 19
20|                                   | 20
+-----+
```

Screen Transition: See Figure 2-1a.

Screen PS6006. Card Not Taken - Two Languages

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 | 1 | 1 |
2 | I'm sorry. You haven't taken your | 2 |
3 | card. I'm holding your card for | 3 |
4 | your protection. | 4 |
5 | | 5 |
6 | | 6 |
7 | | 7 |
8 | | 8 |
9 | | 9 |
10 | | 10 |
11 | | 11 |
12 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 12 not_taken1/not_taken1C
13 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 13 not_taken1a/not_taken1aC
14 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 14 not_taken1b/not_taken1bC
15 | | 15 |
16 | | 16 |
17 | | 17 |
18 | | 18 |
19 | | 19 |
20 | | 20 |
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|--------------|-----|--------|---------|---|
| not_taken1 | O | X(38) | L | If the secondary language of this CAT is English, then display "I'm sorry. You haven't taken your". |
| not_taken1C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| not_taken1a | O | X(38) | L | If the secondary language of this CAT is English, display "card. I'm holding your card for". |
| not_taken1aC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| not_taken1b | O | X(38) | L | If the secondary language of this CAT is English, display "your protection." |
| not_taken1bC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 8-6.

Screen PS6006A. Card Not Taken - One Language

```
1111111111222222222233333333334
1234567890123456789012345678901234567890

+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 |                                     | 6
7 |                                     | 7
8 |                                     | 8
9 | I'm sorry. You haven't taken your | 9
10| card. I'm holding your card for   | 10
11| your protection.                  | 11
12|                                   | 12
13|                                   | 13
14|                                   | 14
15|                                   | 15
16|                                   | 16
17|                                   | 17
18|                                   | 18
19|                                   | 19
20|                                   | 20
+-----+
```

Screen Transition: See Figure 8-6.

Screen PS6007. Out of Service - Two Languages

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 | I'm sorry. I can't help you right now. | 4
5 | Please try again later.               | 5
6 |                                     | 6
7 |                                     | 7
8 |                                     | 8
9 |                                     | 9
10|                                     | 10
11|                                     | 11
12|                                     | 12
13| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 13 oos1/oos1C
14| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 14 oos1a/oos1aC
15| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 15 oos1b/oos1bC
16|                                     | 16
17|                                     | 17
18|                                     | 18
19|                                     | 19
20|                                     | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|--|
| oos1 | O | X(38) | L | If the secondary language of this CAT is English, display "I'm sorry. I can't help you right now." |
| oos1C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| oos1a | O | X(38) | L | If the secondary language of this CAT is English, display "Please try again later." |
| oos1aC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| oos1b | O | X(38) | L | If the secondary language of this CAT is English, leave blank. |
| oos1bC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 8-3.

Screen PS6007A. Out of Service - One Language

```
1111111111222222222233333333334  
1234567890123456789012345678901234567890  
+-----+  
1 |  
2 |  
3 |  
4 |  
5 |  
6 |  
7 |  
8 |  
9 | I'm sorry. I can't help you right now.  
10 |  
11 | Please try again later.  
12 |  
13 |  
14 |  
15 |  
16 |  
17 |  
18 |  
19 |  
20 |  
+-----+
```

Screen Transition: See Figure 8-3.

Screen PS6008. Temporary Delays - Two Languages

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 | I'm sorry. We are having some     | 3
4 | temporary delays. Please wait a few | 4
5 | moments and try again.             | 5
6 |                                     | 6
7 |                                     | 7
8 |                                     | 8
9 |                                     | 9
10 |                                    | 10
11 |                                    | 11
12 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 12 delays1/delays1C
13 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 13 delays1a/delays1aC
14 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 14 delays1b/delays1bC
15 |                                    | 15
16 |                                    | 16
17 |                                    | 17
18 |                                    | 18
19 |                                    | 19
20 |                                    | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|--|
| delays1 | O | X(38) | L | If the secondary language of this CAT is English, display "I'm sorry. We are having some". |
| delays1C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| delays1a | O | X(38) | L | If the secondary language of this CAT is English, display "temporary delays. Please wait a few". |
| delays1aC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| delays1b | O | X(38) | L | If the secondary language of this CAT is English, display "moments and try again." |
| delays1bC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 8-3.

Screen PS6008A. Temporary Delays - Two Languages

```
1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |      | 1
2 |      | 2
3 |      | 3
4 |      | 4
5 |      | 5
6 |      | 6
7 |      | 7
8 | I'm sorry. We are having some | 8
9 | temporary delays.             | 9
10|                                | 10
11| Please wait a few moments and | 11
12| try again.                    | 12
13|                                | 13
14|                                | 14
15|                                | 15
16|                                | 16
17|                                | 17
18|                                | 18
19|                                | 19
20|                                | 20
+-----+
```

Screen Transition: See Figure 8-3.

Screen PS6009. Can't Return Card - Two Languages

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 | I'm sorry. I can't return your card | 3
4 | right now.                         | 4
5 |                                     | 5
6 | Please use the phone next to you   | 6
7 | to call Customer Service.         | 7
8 |                                     | 8
9 |                                     | 9
10|                                     | 10
11|                                     | 11
12| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 12 cant_return1/cant_return1C
13| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 13 cant_return1a/cant_return1aC
14|                                     | 14
15| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 15 call_cs1/call_cs1C
16| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 16 call_cs1a/call_cs1aC
17| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 17 call_cs1b/call_cs1bC
18|                                     | 18
19|                                     | 19
20|                                     | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|----------------|-----|--------|---------|--|
| cant_return1 | O | X(38) | L | If the secondary language of this CAT is English, display "I'm sorry. I can't return your card". |
| cant_return1C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| cant_return1a | O | X(38) | L | If the secondary language of this CAT is English, display "right now." |
| cant_return1aC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| call_cs1 | O | X(38) | L | If the secondary language of this CAT is English, display "Please use the phone next to you". |
| call_cs1C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Standard Data Elements: Screen PS6009 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|--------|---------|---|
| call_cs1a | O | X(38) | L | If the secondary language of this CAT is English, display "to call Customer Service." |
| call_cs1aC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| call_cs1b | O | X(38) | L | If the secondary language of this CAT is English, leave blank. |
| call_cs1bC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 8-5.

Screen PS6009A. Can't Return Card - One Language

111111111122222222223333333334
1234567890123456789012345678901234567890

| | | |
|----|-------------------------------------|----|
| 1 | | 1 |
| 2 | | 2 |
| 3 | | 3 |
| 4 | | 4 |
| 5 | | 5 |
| 6 | I'm sorry. I can't return your card | 6 |
| 7 | right now. | 7 |
| 8 | | 8 |
| 9 | Please use the phone next to you | 9 |
| 10 | to call Customer Service. | 10 |
| 11 | | 11 |
| 12 | | 12 |
| 13 | | 13 |
| 14 | | 14 |
| 15 | | 15 |
| 16 | | 16 |
| 17 | | 17 |
| 18 | | 18 |
| 19 | | 19 |
| 20 | | 20 |

Screen Transition: See Figure 8-5.

Screen PS6010. Please Take Your Card - Two Languages

```

111111111122222222223333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 | Please take your card.           | 6
7 |                                     | 7
8 |                                     | 8
9 |                                     | 9
10 |                                    | 10
11 |                                    | 11
12 |                                    | 12
13 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 13 take_card1/take_card1C
14 |                                    | 14
15 |                                    | 15
16 |                                    | 16
17 |                                    | 17
18 |                                    | 18
19 |                                    | 19
20 |                                    | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|--|
| take_card1 | O | X(38) | C | If the secondary language of this CAT is English, display "Please take your card." |
| take_card1C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 8-2.

Screen PS6010A. Please Take Your Card - One Language

| | | |
|--|------------------------|----|
| 111111111122222222223333333334 | | |
| 1234567890123456789012345678901234567890 | | |
| 1 | | 1 |
| 2 | | 2 |
| 3 | | 3 |
| 4 | | 4 |
| 5 | | 5 |
| 6 | | 6 |
| 7 | | 7 |
| 8 | | 8 |
| 9 | | 9 |
| 10 | Please take your card. | 10 |
| 11 | | 11 |
| 12 | | 12 |
| 13 | | 13 |
| 14 | | 14 |
| 15 | | 15 |
| 16 | | 16 |
| 17 | | 17 |
| 18 | | 18 |
| 19 | | 19 |
| 20 | | 20 |

Screen Transition: See Figure 8-2.

Overlay PS6011. Blank

111111111122222222223333333334
1234567890123456789012345678901234567890

| | | |
|----|--|----|
| 1 | | 1 |
| 2 | | 2 |
| 3 | | 3 |
| 4 | | 4 |
| 5 | | 5 |
| 6 | | 6 |
| 7 | | 7 |
| 8 | | 8 |
| 9 | | 9 |
| 10 | | 10 |
| 11 | | 11 |
| 12 | | 12 |
| 13 | | 13 |
| 14 | | 14 |
| 15 | | 15 |
| 16 | | 16 |
| 17 | | 17 |
| 18 | | 18 |
| 19 | | 19 |
| 20 | | 20 |

Screen Transition: See Figure 8-2.

Overlay PS6012. Touch to Return Card - Two Languages

```

      1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |                                           | 1
2 |                                           | 2
3 |                                           | 3
4 |                                           | 4
5 |                                           | 5
6 |                                           | 6
7 |                                           | 7
8 | +-----+                               | 8
9 | |Please touch here to return your card| | 9
10| +-----+                               |10
11|                                           |11
12|                                           |12
13|                                           |13
14|                                           |14
15|                                           |15
16|                                           |16
17|                                           |17
18| +-----+                               |18
19| |XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX| |19 touch1/touch1C
20| +-----+                               |20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|--|
| touch1 | O | X(51) | C | If the secondary language of this CAT is English, display "Please touch here to return your card". |
| touch1C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 8-2.

Overlay PS6012A. Touch to Return Card - Two Languages

1111111111222222222233333333334
1234567890123456789012345678901234567890

| | | |
|----|---------------------------------------|----|
| 1 | | 1 |
| 2 | | 2 |
| 3 | | 3 |
| 4 | | 4 |
| 5 | | 5 |
| 6 | | 6 |
| 7 | | 7 |
| 8 | | 8 |
| 9 | | 9 |
| 10 | | 0 |
| 11 | | 11 |
| 12 | | 12 |
| 13 | | 13 |
| 14 | | 14 |
| 15 | | 15 |
| 16 | | 16 |
| 17 | | 17 |
| 18 | | 18 |
| 19 | Please touch here to return your card | 19 |
| 20 | | 20 |

Screen Transition: See Figure 8-2.

Screen PS6013. Application Error - Two Languages

```

11111111112222222222333333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 | I'm sorry. I can't do that right now. | 3
4 |                                     | 4
5 |                                     | 5
6 |                                     | 6
7 |                                     | 7
8 |                                     | 8
9 |                                     | 9
10 |                                    | 10
11 |                                    | 11
12 |                                    | 12
13 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 13 error1/error1C
14 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 14 error1a/error1aC
15 |                                    | 15
16 |                                    | 16
17 |                                    | 17
18 |                                    | 18
19 |                                    | 19
20 |                                    | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|---|
| error1 | O | X(38) | L | If the secondary language of this CAT is English, display "I'm sorry. I can't do that right now." |
| error1C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| error1a | O | X(38) | L | If the secondary language of this CAT is English, leave blank. |
| error1aC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 8-7.

Screen PS6013A. Application Error - One Language

```
1111111111222222222233333333334  
1234567890123456789012345678901234567890  
+-----+  
1 | 1 | 1  
2 | 2 | 2  
3 | 3 | 3  
4 | 4 | 4  
5 | 5 | 5  
6 | 6 | 6  
7 | 7 | 7  
8 | 8 | 8  
9 | 9 | 9  
10 | I'm sorry. I can't do that right now. | 10  
11 | | 11  
12 | | 12  
13 | | 13  
14 | | 14  
15 | | 15  
16 | | 16  
17 | | 17  
18 | | 18  
19 | | 19  
20 | | 20  
+-----+
```

Screen Transition: See Figure 8-7.

Screen PS6014. Please Take Card Out - Two Languages

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 | Please take your card out -      | 3
4 | so I can help you.                | 4
5 |                                     | 5
6 |                                     | 6
7 |                                     | 7
8 |                                     | 8
9 |                                     | 9
10 |                                    | 10
11 |                                    | 11
12 |                                    | 12
13 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 13 take_out1/take_out1C
14 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 14 take_out1a/take_out1aC
15 |                                    | 15
16 |                                    | 16
17 |                                    | 17
18 |                                    | 18
19 |                                    | 19
20 |                                    | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|--|
| take_out1 | O | X(38) | L | If the secondary language of this CAT is English, display "Please take your card out - " |
| take_out1C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| take_out1a | O | X(38) | L | If the secondary language of this CAT is English, display "so I can help you.". |
| take_out1aC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 8-1.

Comments: This screen should "boop" once per second until either the card is removed or it times out after 17.5 seconds.

Screen PS6014A. Please Take Card Out - One Language

```
1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 |                                     | 6
7 |                                     | 7
8 |                                     | 8
9 | Please take your card out -      | 9
10| so I can help you.                | 10
11|                                   | 11
12|                                   | 12
13|                                   | 13
14|                                   | 14
15|                                   | 15
16|                                   | 16
17|                                   | 17
18|                                   | 18
19|                                   | 19
20|                                   | 20
+-----+
```

Screen Transition: See Figure 8-1.

Comments: This screen should “boop” once per second until either the card is removed or it times out after 17.5 seconds.

Screen-PS6015. Second Take Out Card - Two Languages

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 | 1 | 1 |
2 | 2 | 2 |
3 | 3 | 3 | I'm sorry. I can't help you while
4 | 4 | 4 | your card is in the slot.
5 | 5 | 5 |
6 | 6 | 6 | Please take your card out so we
7 | 7 | 7 | can start again.
8 | 8 | 8 |
9 | 9 | 9 |
10 | 10 | 10 |
11 | 11 | 11 |
12 | 12 | 12 | cant_help1/cant_help1C
13 | 13 | 13 | cant_help1a/cant_help1aC
14 | 14 | 14 |
15 | 15 | 15 | start_again1/start_again1C
16 | 16 | 16 | start_again1a/start_again1aC
17 | 17 | 17 |
18 | 18 | 18 |
19 | 19 | 19 |
20 | 20 | 20 |
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|---------------|-----|--------|---------|--|
| cant_help1 | O | X(38) | L | If the secondary language of this CAT is English, display "I'm sorry. I can't help you while". |
| cant_card1C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| cant_help1a | O | X(38) | L | If the secondary language of this CAT is English, display "your card is in the slot". |
| cant_help1aC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| start_again1 | O | X(38) | L | If the secondary language of this CAT is English, display "Please take your card out so we". |
| start_again1C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Standard Data Elements: Screen PS6015 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|----------------|-----|--------|---------|--|
| start_again1a | O | X(38) | L | If the secondary language of this CAT is English, display "can start again." |
| start_again1aC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 8-1.

Comments: No "booping"; timeout is 120 seconds.

Screen PS6015A. Second Take Out Card - One Language

11111111112222222223333333334
1234567890123456789012345678901234567890

| | | |
|----|-----------------------------------|----|
| 1 | | 1 |
| 2 | | 2 |
| 3 | | 3 |
| 4 | | 4 |
| 5 | | 5 |
| 6 | | 6 |
| 7 | | 7 |
| 8 | I'm sorry. I can't help you while | 8 |
| 9 | your card is in the slot. | 9 |
| 10 | | 10 |
| 11 | Please take your card out so we | 11 |
| 12 | can start again. | 12 |
| 13 | | 13 |
| 14 | | 14 |
| 15 | | 15 |
| 16 | | 16 |
| 17 | | 17 |
| 18 | | 18 |
| 19 | | 19 |
| 20 | | 20 |

Screen Transition: See Figure 8-1.

Comments: No "booping"; timeout is 120 seconds.

Screen PS6016. Bad Read, Please Re-Dip - Two Languages

```
1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 |
2 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
3 | I'm sorry. I couldn't read your card | 3 |
4 | that time. | 4 |
5 | | 5 |
6 | Please put your card in the slot | 6 |
7 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 7 | ins_card1a
8 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 8 | ins_card1b
9 | | 9 |
10 | | 10 |
11 | | 11 |
12 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 12 | couldnt_read1/couldnt_read1C
13 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 13 | couldnt_read1a/couldnt_read1aC
14 | | 14 |
15 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 15 | ins_card2/ins_card2C
16 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 16 | ins_card2a/ins_card2aC
17 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 17 | ins_card2b/ins_card2bC
18 | | 18 |
19 | | 19 |
20 | | 20 |
+-----+
```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|--------|---------|---|
| ins_card1a | O | X(38) | L | Display one of the following based on the type of CAT hardware in use: CAT/dip - "to your right and take it out -" CAT/transport - "above." DUCAT/transport - "to your left." DUCAT/dip - "to your left and take it out -" PC CAT - "and take it out - so I can help you." |

Standard Data Elements: Screen PS6016 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------------|-----|--------|---------|---|
| ins_card1b | O | X(38) | L | Display one of the following based on the type of CAT hardware in use: CAT/dip - "so I can help you." CAT/transport - blank DUCAT/transport - blank DUCAT/dip - "so I can help you." PC CAT - blank |
| couldnt_read1 | O | X(38) | L | If the secondary language of this CAT is English, display "I'm sorry. I couldn't read your card". |
| couldnt_read1C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| couldnt_read1a | O | X(38) | L | If the secondary language of this CAT is English, display "that time". |
| couldnt_read1aC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| ins_card2 | O | X(38) | L | If the secondary language of this CAT is English, display "Please put your card in the slot". |
| ins_card2C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| ins_card2a | O | X(38) | L | If the secondary language of this CAT is English, display one of the following based on the type of CAT hardware in use: CAT/dip - "to your right and take it out -" CAT/transport - "above." DUCAT/transport - "to your left." DUCAT/dip - "to your left and take it out -" PC CAT - "and take it out - so I can help you." |
| ins_card2aC | O | C(17) | L | See the appropriate non-English language ICC APS for text to display. |

Standard Data Elements: Screen PS6016 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|--|
| ins_card2b | O | X(38) | L | Display one of the following based on the type of CAT hardware in use: CAT/dip - "so I can help you." CAT/transport - blank DUCAT/transport - blank DUCAT/dip - "so I can help you." PC CAT - blank |
| ins_card2bC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 2-1a.

Comments: Screen should "boop" once when first presented. Timeout is 7 seconds.

Screen PS6016A. Bad Read, Please Re-Dip - One Language

```

111111111122222222223333333334
123456789012345678901234567890
+-----+
1 |      | 1 |
2 |      | 2 |
3 |      | 3 |
4 |      | 4 |
5 |      | 5 |
6 |      | 6 |
7 |      | 7 |
8 | I'm sorry. I couldn't read your card | 8 |
9 | that time. | 9 |
10 |      | 10 |
11 | Please put your card in the slot | 11 |
12 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 12 | ins_card1a
13 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 13 | ins_card1b
14 |      | 14 |
15 |      | 15 |
16 |      | 16 |
17 |      | 17 |
18 |      | 18 |
19 |      | 19 |
20 |      | 20 |
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|--------|---------|---|
| ins_card1a | O | X(38) | L | Display one of the following based on the type of CAT hardware in use: CAT/dip - "to your right and take it out -" CAT/transport - "above." DUCAT/transport - "to your left." DUCAT/dip - "to your left and take it out -" PC CAT - "and take it out - so I can help you." |

Standard Data Elements: Screen PS6016A (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|--------|---------|--|
| ins_card1b | O | X(38) | L | Display one of the following based on the type of CAT hardware in use: CAT/dip - "so I can help you." CAT/transport - blank DUCAT/transport - blank DUCAT/dip - "so I can help you." PC CAT - blank |

Screen Transition: See Figure 2-1a.

Comments: Screen should "boop" once when first presented. Timeout is 7 seconds.

Screen PS6017. Enter Card Number

111111111122222222223333333334
1234567890123456789012345678901234567890

| | | | | | |
|----|----------------------------------|---|---|---------|-----------|
| 1 | | | | | 1 |
| 2 | Please tell me your card number. | | | | 2 |
| 3 | Then touch ENTER. | | | | 3 |
| 4 | (Touch CLEAR to erase.) | | | | 4 |
| 5 | +-----+ | | | | 5 |
| 6 | ----- | | | | 6 card_id |
| 7 | +-----+ | | | | 7 |
| 8 | 1 | 2 | 3 | | 8 |
| 9 | | | | | 9 |
| 10 | | | | | 10 |
| 11 | +-----+ | | | ENTER | 11 |
| 12 | 4 | 5 | 6 | | 12 |
| 13 | | | | | 13 |
| 14 | +-----+ | | | | 14 |
| 15 | +-----+ | | | | 15 |
| 16 | +-----+ | | | CLEAR | 16 |
| 17 | 7 | 8 | 9 | | 17 |
| 18 | +-----+ | | | +-----+ | 18 |
| 19 | | 0 | | EXIT | 19 |
| 20 | +-----+ | | | +-----+ | 20 |

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|----------|
|-----------|-----|--------|---------|----------|

| | | | | |
|---------|---|-------|---|---|
| card_id | I | 9(19) | L | Must be ≥ 6 and ≤ 19 digits. As the number is entered, display the digits from left to right. |
|---------|---|-------|---|---|

Screen Transition: See Figure 8-9.

PRC PS6025. Off-Us Local Processing

Screen Transition: See Figure 2-1a.

Comments: At this point to which the ICC Generic Product Select application returns if it cannot process a card.

The main purpose of this entry point is to allow local Off-Us processing of cards that are either not recognized by ICC or recognized as local Off-Us by ICC.

For ICC Standalone applications, there is no local Off-Us support, so it is expected that the ICC Generic Product Select application would return a card class of "unsupported". If so, the unsupported card error screen is displayed and the session is ended, returning the card if necessary.

If any other card class is returned, it is treated as a bad card read.

Appendix A

ICC Card Prefix Table

Most of the values in the Card Prefix File are assigned by TTI.

This chapter details only those items which are assigned by the Consumer Product Development Group.

The following codes in Table A-1 are valid entries in the four Base_Lang_Cde/Lang_Cde fields.

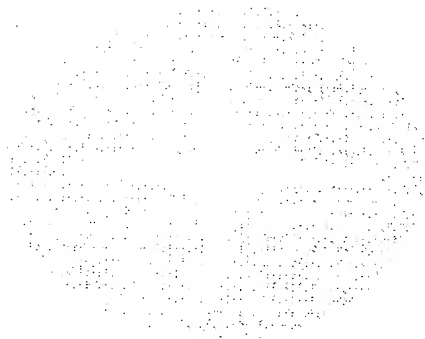
Table A-1. Valid Base_Lang_Cde and Lang_Cde Field Entries

| Base_Lang_Cde | Lang_Cde | Description |
|---------------|----------|--------------------------------------|
| 01 | 01 | U.S. English |
| 02 | 02 | Master Spanish |
| 03 | 03 | Master Chinese (Standard Characters) |
| 04 | 04 | German |
| 05 | 05 | Italian |
| 06 | 06 | French |
| 07 | 07 | Greek |
| 08 | 08 | Filipino |
| 09 | 09 | Malay |
| 10 | 10 | Japanese |
| 11 | 11 | Turkish |
| 12 | 12 | Arabic |
| 13 | 13 | Hangul (Korean) |
| 14 | 14 | Russian |
| 03 | 15 | Chinese (Simplified Characters) |

Appendix B

Currency Code Information

The ICC applications use the currency codes assigned by the International Organization for Standardization (ISO). This standard is defined in ISO 4217:1987 (E/F). All ESP messages use the **alphabetic** representation of the currency code. How currencies should be formatted on screen displays and printed records is defined in Appendix C.



Appendix C

General Formats

This chapter details the currency and the date formatting used by the Global ICC application.

C.1 Currency Formatting

The Currency Format table is only required by versions of the ICC application prior to Global ICC (Phase 5). However, this table will remain in the APS until Global ICC has been implemented in all locations, completely replacing all previous versions of ICC.

Table C-1 details how each of the ISO currencies should be formatted, and indicates the number of decimal places supported for each currency, and the character to use as the decimal separator.

NOTE

For a format that includes asterisks (*), substitute the characters indicated as "Desc" for the leftmost asterisk.

Table C-1. Currency Formats

| ISO Code | Desc | Dec. Places | Thous. Sep. | Dec. Point Indic. | "Z" Format | "\$" Format | "W" Format |
|----------|----------|-------------|-------------|-------------------|---------------------|-----------------------|-------------|
| ADP | "ADP " | 0 | period | none | ZZ.ZZZ.ZZZ.ZZZ.ZZ9- | ***.***.***.***.***9- | **.***.***9 |
| AED | "Dh. " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ***,***,***,***9.99- | **,***,***9 |
| AFA | "Af " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ***,***,***,***9.99- | **,***,***9 |
| ALL | "ALL " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ***.***.***.***9.99- | **.***.***9 |
| ANG | "ANG " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ***,***,***,***9.99- | **,***,***9 |
| AOK | "Kz " | 0 | comma | none | ZZ,ZZZ,ZZZ,ZZZ,ZZ9- | ***,***,***,***,***9- | **,***,***9 |
| AON | "AON " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ***,***,***,***9.99- | **,***,***9 |
| ARA | "Ar\$ " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ***.***.***.***9.99- | **.***.***9 |
| ARP | "Ar\$ " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ***.***.***.***9.99- | **.***.***9 |
| ARS | "Ar\$ " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ***.***.***.***9.99- | **.***.***9 |
| ATS | "ATS " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZ9.99- | ***.***.***.***9.99- | **.***.***9 |
| AUD | "A\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ***,***,***,***9.99- | **,***,***9 |
| AWG | "AWG " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ***,***,***,***9.99- | **,***,***9 |
| BBD | "Bds\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ***,***,***,***9.99- | **,***,***9 |
| BDT | "Tk " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ***,***,***,***9.99- | **,***,***9 |
| BEC | "BEC " | 0 | period | none | ZZ.ZZZ.ZZZ.ZZZ.ZZ9- | ***.***.***.***.***9- | **.***.***9 |
| BEF | "BEF " | 0 | period | none | ZZ.ZZZ.ZZZ.ZZZ.ZZ9- | ***.***.***.***.***9- | **.***.***9 |
| BEL | "BEL " | 0 | period | none | ZZ.ZZZ.ZZZ.ZZZ.ZZ9- | ***.***.***.***.***9- | **.***.***9 |
| BGL | "BGL " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ***.***.***.***9.99- | **.***.***9 |
| BHD | "BD " | 3 | comma | period | ZZ,ZZZ,ZZZ,ZZZ,ZZ9- | ***,***,***,***9.999- | **,***,***9 |
| BIF | "FBu " | 0 | comma | none | ZZ,ZZZ,ZZZ,ZZZ,ZZ9- | ***,***,***,***,***9- | **,***,***9 |
| BMD | "\$B " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ***,***,***,***9.99- | **,***,***9 |
| BND | "B\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ***,***,***,***9.99- | **,***,***9 |
| BOB | "\$b " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ***,***,***,***9.99- | **,***,***9 |
| BRC | "R\$ " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ***.***.***.***9.99- | **.***.***9 |
| BRL | "R\$ " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ***.***.***.***9.99- | **.***.***9 |
| BSD | "B\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ***,***,***,***9.99- | **,***,***9 |
| BTN | "N " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ***,***,***,***9.99- | **,***,***9 |
| BUK | "BuK " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ***,***,***,***9.99- | **,***,***9 |
| BWP | "BwP " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ***,***,***,***9.99- | **,***,***9 |
| BZD | "\$B " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ***,***,***,***9.99- | **,***,***9 |
| CAD | "C\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZ9.99- | ***,***,***,***9.99- | **,***,***9 |
| CEK | "CEK " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ***.***.***.***9.99- | **.***.***9 |
| CHF | "CHF " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZ9.99- | ***.***.***.***9.99- | **.***.***9 |

STR 45095-S

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Table C-1. Currency Formats

| ISO Code | Desc | Dec. Places | Thous. Sep. | Dec. Point Indic. | "Z" Format | "\$" Format | "W" Format |
|----------|---------|-------------|-------------|-------------------|---------------------|----------------------|------------|
| CLF | "Ch\$." | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| CLP | "Ch\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| CNY | "RMB " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| COP | "Col\$" | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| CRC | "¢ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| CUP | "Cu\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| CVE | "Esc " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| CYP | "£C " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| CZK | "CZK " | 2 | period | comma | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| DEM | "DM " | 2 | period | comma | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| DJF | "DF " | 0 | comma | none | ZZ,ZZZ,ZZZ,ZZZ.Z9- | ***,***,***,**9.99- | **,**,**9 |
| DKK | "DKK " | 2 | period | comma | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| DOP | "RD\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| DZD | "DA " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| ECS | "S/ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| EEK | "EEK " | 2 | period | comma | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| EGP | "£E " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| ESB | "ESB " | 0 | period | none | ZZ,ZZZ,ZZZ,ZZZ.Z9- | ***,***,***,**9.99- | **,**,**9 |
| ESP | "PTS " | 0 | period | none | ZZ,ZZZ,ZZZ,ZZZ.Z9- | ***,***,***,**9.99- | **,**,**9 |
| ETB | "EB " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| FIM | "FIM " | 2 | period | comma | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| FJD | "\$F " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| FKP | "FK£ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| FRF | "FRF " | 2 | period | comma | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| GBP | "£ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| GEK | "GEK " | 0 | period | none | ZZ,ZZZ,ZZZ,ZZZ.Z9- | ***,***,***,**9.99- | **,**,**9 |
| GHC | "C " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| GIP | "GIP " | 2 | period | comma | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| GMD | "DD " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| GNF | "GnF " | 0 | comma | none | ZZ,ZZZ,ZZZ,ZZZ.Z9- | ***,***,***,**9.99- | **,**,**9 |
| GRD | "GRD " | 0 | period | none | ZZ,ZZZ,ZZZ,ZZZ.Z9- | ***,***,***,**9.99- | **,**,**9 |
| GTQ | "Q " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| GWP | "GWP " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| GYD | "G\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |

STR 45095-S

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Table C-1. Currency Formats

| ISO Code | Desc | Dec. Places | Thous. Sep. | Dec. Point Indic. | "Z" Format | "\$" Format | "W" Format |
|----------|---------|-------------|-------------|-------------------|---------------------|----------------------|------------|
| HKD | "HK\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,***9 |
| HNL | "L " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,***9 |
| HRK | "HRK " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****,***,***,**9.99- | ****,**9 |
| HTG | "G " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,***9 |
| HUF | "HUF " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****,***,***,**9.99- | ****,**9 |
| IDR | "Rp. " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****,***,***,**9.99- | ****,**9 |
| IEP | "IEP " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****,***,***,**9.99- | ****,**9 |
| ILS | "If " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,***9 |
| INR | "Rs " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,***9 |
| IQD | "ID " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,***9 |
| IRR | "RIs " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,***9 |
| ISK | "ISK " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****,***,***,**9.99- | ****,**9 |
| ITL | "TTL " | 0 | period | none | ZZ.ZZZ.ZZZ.ZZZ.ZZ9- | ****,***,***,**9.99- | ****,**9 |
| JMD | "J\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,***9 |
| JOD | "JD " | 3 | comma | period | ZZ,ZZZ,ZZZ,ZZZ.ZZ9- | ***,***,***,**9.999- | **,**,***9 |
| JPY | "¥" | 0 | comma | none | ZZ,ZZZ,ZZZ,ZZZ,ZZ9- | YYY,YYY,YYY,YYY,YY9- | YY,YYY,YY9 |
| KES | "KSh " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,***9 |
| KGS | "KGS " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****,***,***,**9.99- | ****,**9 |
| KHR | "KR " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,***9 |
| KMF | "CAF " | 0 | comma | none | ZZ,ZZZ,ZZZ,ZZZ,ZZ9- | ***,***,***,**9.99- | **,**,***9 |
| KPW | "KPW " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,***9 |
| KRW | "W." | 0 | comma | none | ZZ,ZZZ,ZZZ,ZZZ,ZZ9- | ***,***,***,**9.99- | **,**,***9 |
| KWD | "KD " | 3 | comma | period | ZZ,ZZZ,ZZZ,ZZZ.ZZ9- | ***,***,***,**9.999- | **,**,***9 |
| KYD | "KYD " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,***9 |
| KZT | "KZT " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****,***,***,**9.99- | ****,**9 |
| LAK | "LaK " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,***9 |
| LBP | "LL " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,***9 |
| LKR | "CRs " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | ****,**9 |
| LRD | "Li\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,***9 |
| LSL | "LSL" | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,***9 |
| LTL | "LTL " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****,***,***,**9.99- | ****,**9 |
| LTT | "LTT " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****,***,***,**9.99- | ****,**9 |
| LUC | "LUC " | 0 | period | none | ZZ.ZZZ.ZZZ.ZZZ.ZZ9- | ****,***,***,**9.99- | ****,**9 |
| LUF | "LUF " | 0 | period | none | ZZ.ZZZ.ZZZ.ZZZ.ZZ9- | ****,***,***,**9.99- | ****,**9 |

STR 45095-S

STR 48543-S

Table C-1. Currency Formats

| ISO Code | Desc | Dec. Places | Thous. Sep. | Dec. Point Indic. | "Z" Format | "S" Format | "W" Format |
|----------|----------|-------------|-------------|-------------------|---------------------|--------------------|------------|
| LUL | "LUL " | 0 | period | none | ZZ.ZZZ.ZZZ.ZZZ.ZZ9- | ****.***.***.***9- | ****.***9 |
| LVL | "LVL " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***9,99- | ****.***9 |
| LVR | "LVR " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***9,99- | ****.***9 |
| LYD | "LD " | 3 | comma | period | ZZ,ZZZ,ZZZ,ZZZ.ZZ9- | ***,***,***9.999- | ***,***9 |
| MAD | "DH " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***9.99- | ***,***9 |
| MDL | "MDL " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***9,99- | ****.***9 |
| MGF | "FMG " | 0 | comma | none | ZZ,ZZZ,ZZZ,ZZZ.ZZ9- | ***,***,***,***9- | ***,***9 |
| MKD | "MKD " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***9,99- | ****.***9 |
| MMK | "MMK " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***9.99- | ***,***9 |
| MNT | "Tug " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***9.99- | ***,***9 |
| MOP | "P " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***9.99- | ***,***9 |
| MRO | "MrO " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***9.99- | ***,***9 |
| MTL | "MTL " | 3 | period | comma | ZZ.ZZZ.ZZZ.ZZZ.ZZ9- | ***.***.***9.999- | ****.***9 |
| MUR | "MaR " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***9.99- | ***,***9 |
| MVR | "MRe " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***9.99- | ***,***9 |
| MWK | "MwK " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***9.99- | ***,***9 |
| MXN | "Mx\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***9.99- | ***,***9 |
| MXP | "Mex\$ " | 0 | comma | none | ZZ,ZZZ,ZZZ,ZZZ.ZZ9- | ***,***,***,***9- | ***,***9 |
| MYR | "RM " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***9.99- | ***,***9 |
| MZM | "MZM " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***9.99- | ***,***9 |
| NGN | "N- " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***9.99- | ***,***9 |
| NIC | "C\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***9.99- | ***,***9 |
| NIO | "NIO " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***9.99- | ***,***9 |
| NLG | "NLG " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***9,99- | ****.***9 |
| NOK | "NOK " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***9,99- | ****.***9 |
| NPR | "NRs " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***9.99- | ***,***9 |
| NZD | "NZ\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.99- | ****,***,***9.99- | ***,***9 |
| OMR | "RO " | 3 | comma | period | ZZ,ZZZ,ZZZ,ZZZ.ZZ9- | ***,***,***9.999- | ***,***9 |
| PAB | "PaB " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***9.99- | ***,***9 |
| PEI | "PEI " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***9.99- | ***,***9 |
| PEN | "PEN " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***9.99- | ***,***9 |
| PGK | "K " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***9.99- | ***,***9 |
| PHP | "P " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***9.99- | ***,***9 |
| PKR | "PKR " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***9.99- | ***,***9 |

STR 45095-S

STR 48543-S

Table C-1. Currency Formats

| ISO Code | Desc | Dec. Places | Thous. Sep. | Dec. Point Indic. | "Z" Format | "\$" Format | "W" Format |
|----------|---------|-------------|-------------|-------------------|---------------------|-----------------------|-------------|
| PLZ | "PLZ " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| PTE | "PTE " | 0 | period | none | ZZ.ZZZ.ZZZ.ZZZ.Z9- | ***.***.***.***9- | **.*.*.*9 |
| PYG | "G " | 0 | comma | none | ZZ,ZZZ,ZZZ,ZZZ,Z9- | ***,***,***,***9- | **,***,***9 |
| QAR | "QRI " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,***9 |
| ROL | "ROL " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| RUR | "RUR " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| RWF | "RF " | 0 | comma | none | ZZ,ZZZ,ZZZ,ZZZ,Z9- | ***,***,***,***9- | **,***,***9 |
| SAR | "SR1 " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,***9 |
| SBD | "SI\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,***9 |
| SCR | "SRs " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,***9 |
| SDD | "SDD " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,***9 |
| SDP | "£S " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,***9 |
| SEK | "SEK " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| SGD | "S\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,***9 |
| SHP | "SHP " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,***9 |
| SIT | "SIT " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| SKK | "SKK " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| SLL | "Le " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,***9 |
| SOK | "SOK " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| SOS | "SoS " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,***9 |
| SRG | "Su f " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,***9 |
| STD | "Db " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,***9 |
| SUR | "SUR " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| SVC | "SVC " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,***9 |
| SYP | "£Sy " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,***9 |
| SZL | "E " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,***9 |
| THB | "Bht " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,***9 |
| TMM | "TMM " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| TND | "TuD " | 3 | comma | period | ZZ,ZZZ,ZZZ,ZZZ.Z9- | ***,***,***,***9.999- | **,***,***9 |
| TOP | "T\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,***9 |
| TPE | "TPE " | 0 | comma | none | ZZ,ZZZ,ZZZ,ZZZ,Z9- | ***,***,***,***9- | **,***,***9 |
| TRL | "TL " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,***9 |
| TTD | "TT\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,***9 |
| TWD | "NT\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,***9 |

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Table C-1. Currency Formats

| ISO Code | Desc | Dec. Places | Thous. Sep. | Dec. Point Indic. | "Z" Format | "\$" Format | "W" Format |
|----------|---------|-------------|-------------|-------------------|---------------------|----------------------|------------|
| TZS | "TSh " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,***,**9 |
| UAK | "UAK " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****,***,***,**9.99- | **,***,**9 |
| UGS | "USh " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,***,**9 |
| UGX | "UGX " | 0 | comma | none | ZZ,ZZZ,ZZZ,ZZZ,ZZ9- | ***,***,***,***,**9- | **,***,**9 |
| USD | "US\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,***,**9 |
| USN | "US\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,***,**9 |
| USS | "US\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,***,**9 |
| UYU | "N\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,***,**9 |
| UYU | "UYU " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,***,**9 |
| VEB | "Bs. " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****,***,***,**9.99- | **,***,**9 |
| VND | "VND " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,***,**9 |
| VUV | "VUV " | 0 | comma | none | ZZ,ZZZ,ZZZ,ZZZ,ZZ9- | ***,***,***,***,**9- | **,***,**9 |
| WST | "WST " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,***,**9 |
| XAF | "CAF " | 0 | comma | none | ZZ,ZZZ,ZZZ,ZZZ,ZZ9- | ***,***,***,***,**9- | **,***,**9 |
| XCD | "EC\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,***,**9 |
| XEU | "XEU " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****,***,***,**9.99- | **,***,**9 |
| XOF | "CAF " | 0 | comma | none | ZZ,ZZZ,ZZZ,ZZZ,ZZ9- | ***,***,***,***,**9- | **,***,**9 |
| XPF | "CPF " | 0 | comma | none | ZZ,ZZZ,ZZZ,ZZZ,ZZ9- | ***,***,***,***,**9- | **,***,**9 |
| XXX | " " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,***,**9 |
| YDD | "SYD " | 3 | comma | period | ZZ,ZZZ,ZZZ,ZZZ,ZZ9- | ***,***,***,**9.999- | **,***,**9 |
| YER | "YRI " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,***,**9 |
| YUD | "YUD " | 0 | period | none | ZZ.ZZZ.ZZZ.ZZZ.ZZ9- | ***,***,***,***,**9- | **,***,**9 |
| YUN | "YUN " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****,***,***,**9.99- | **,***,**9 |
| ZAL | "R " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,***,**9 |
| ZAR | "R " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,***,**9 |
| ZMK | "ZMK " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,***,**9 |
| ZRN | "ZRN " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,***,**9 |
| ZRZ | "Z " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,***,**9 |
| ZWD | "Z\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,***,**9 |

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C.2 Date Formatting

In Global ICC, there are two types of dates: pre-formatted and unformatted.

Pre-formatted Dates

Pre-formatted dates are used only in Transaction Journal (TJ) screens (all in Chapter 4). A pre-formatted date shows and prints only a day and month. These are specified to have a length of five characters. This is to be displayed *exactly* as it is received, without additional reformatting. The application cannot determine the order in which the date and month have been sent. It is assumed that the pre-formatted date received contains the full five (5) characters (for example, "01/01" or "12-12").

Unformatted Dates

Unformatted dates are formatted for display based on the language of the session. In all languages, dates are displayed in the format "DD MMM YYYY" (for example, 09 Jan 1996).

For TJ, unformatted dates are formatted as "DD/MM".

Other than TJ, unformatted dates are expected in all circumstances in which a date is specified in the APS.

Table C-2 shows the abbreviation that should be used for each month, for both screen display and for printed records. The abbreviations for the remaining Global ICC languages can be found in their respective Global ICC Language Screen by Phrase reports.

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Table C-2. Month Abbreviations (English)

| Language | Month | Screen Abbrev. | Print Record Abbrev. |
|----------|-----------|----------------|----------------------|
| English | January | Jan | JAN |
| | February | Feb | FEB |
| | March | Mar | MAR |
| | April | Apr | APR |
| | May | May | MAY |
| | June | Jun | JUN |
| | July | Jul | JUL |
| | August | Aug | AUG |
| | September | Sep | SEP |
| | October | Oct | OCT |
| | November | Nov | NOV |
| | December | Dec | DEC |

C.3 Product Term Formatting

Balance Inquiry screens may display the Product Term field (7261) for the Time Deposits Product Category (see Table 6-1). This explains how this field is to be formatted.

Format the Product Term using the following elements from the Message 4501 response:

- ⊗ Product Term (elemid 7261)
- ⊗ Period Code (elemid 8401)

If Product Term = 1, based on the Period Code, display:

- 1 = "Z9 Day"
- 2 = "Z9 Week"
- 3 = "Z9 Month"
- 4 = "Z9 Year"

If Product Term > 1, based on the Period Code, display:

- 1 = "ZZ9 Days"
- 2 = "ZZ9 Weeks"
- 3 = "ZZ9 Months"
- 4 = "ZZ9 Years"

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C.4 Interest Rate Formatting

Balance Inquiry screens may display interest rates (for examples, element IDs 7600, 7612). These rates are received from the FEP as a string of six to 12 characters long with four implied decimal places. They are displayed in screens based on the account currency code as follows:

ZZ,ZZZ,ZZ9.9999% for account currency code with period (".") as the decimal separator

ZZ.ZZZ.ZZ9,9999% for account currency code with comma (",") as the decimal separator

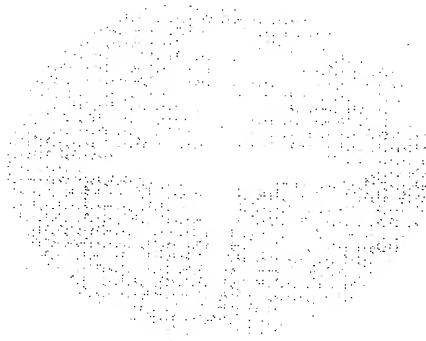
For example, if the FEP returns the value 356000 for a US\$ loan, the screen display will be 35.6000%.

Appendix D

ICC Cash Dispense Algorithm

When Global ICC is installed in a business that offers CAT services to its own customers, the On-Us Cash Dispense Algorithm is modified to indicate the amount selections that should be offered to ICC customers. Normally, these amounts are a subset of the amounts and bill mixes defined for the On-Us application.

For standalone ICC installations, the cash dispense algorithm must be specified independently of any other algorithm based on the currency and bill types to be dispensed at each standalone configuration.



Appendix E

Logging Information

The CAT applications maintain logs of all sessions and transactions. For each customer session, a start session record and an end session record are logged. In addition, each individual transaction is logged at its conclusion, whether or not it succeeds.

All places in which logs are updated are explicitly noted in the flowcharts, with the exception of exits and timeouts during a transaction. Whenever these occur, a log message should be generated with an appropriate completion code signifying that the transaction was terminated by either exit or timeout.

Application logs may be displayed via the CAT Peruse Utility through a separate terminal.

Each record logged by the application has a fixed format. Table E-1 shows which data elements are written to the log for each transaction.

Table E-1. Elements to Log

| Element to Log | Withdrawal | Balance Inquiry and TJ | Transfer |
|-------------------------|------------|------------------------|----------|
| Message Sequence Number | X | X | X |
| Terminal ID | X | X | X |
| Card Number | X | X | X |
| Transaction Date | X | X | X |
| Transaction Time | X | X | X |
| Transaction Type | X | X | X |

Table E-1. Elements to Log (cont)

| Element to Log | Withdrawal | Balance Inquiry and TJ | Transfer |
|-------------------------------|------------|------------------------|----------|
| Source Account Number | X | X | X |
| Source Product Type Code | X | X | X |
| Source Currency Code | X | X | X |
| Transaction Amount | X | | X |
| Transaction Currency Code | X | | X |
| Transaction Currency Type | X | | |
| Destination Account Number | | | X |
| Destination Product Type Code | | | X |
| Destination Currency Code | | | X |
| Host Response Code | X | X | X |
| Action Code | X | X | X |
| Completion Code | X | X | X |
| Completion Reason Code | X | X | X |

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Transaction Technology, Inc.

CITICORP 

3100 Ocean Park Blvd.
Santa Monica, CA
90405

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Global International Citicard (ICC) CAT Application Product Specification

May 21, 1996

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Preface

This Application Product Specification (APS) is one of a series of TTI specifications that defines the CAT products and their ICC applications.

It supports the Global Consumer Bank's (GCB) requirements for Phase 4 of the Global ICC (GICC) project. The intended audience is GCB and TTI development managers and staff.

This APS applies to, and provides standards for, all CAT and CAT-based platforms, including DUCAT 2C, CAT 2D, PC CAT NT, production CASST, and "projection" home banking platforms.

The publication is organized as follows:

- Chapter 1 Introduction**
provides an overview of the ICC CAT applications. It also defines the defaults, variables, and conventions applicable to the product.
- Chapter 2 Product Select**
provides the special table, procedures, screen flow diagrams, and screens for Product Select.
- Chapter 3 Withdrawal**
provides the special table, procedures, screen flow diagrams, and screens for Withdrawal.
- Chapter 4 Balance Inquiry**
provides the special table, procedures, screen flow diagrams, and screens for Balance Inquiry.
- Chapter 5 Transfer**
provides the special table, procedures, screen flow diagrams and screens for Transfer.
- Chapter 6 Common Screens and Procedures**
provides the screen flow diagrams, and screens for Common Screens and Procedures.

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|-------------------|---|
| Chapter 7 | Printed Record Formats provides the message screens and sample record screens. |
| Appendix A | ICC Card Prefix provides information about the card prefix files. |
| Appendix B | Currency Code Information provides information about currency codes. |
| Appendix C | Currency Formats Table provides information about the currency formats table. |
| Appendix D | ICC Cash Dispense Algorithm provides information about the cash dispense algorithm. |
| Appendix E | Logging Information provides logs of all sessions and transactions. |
| Appendix F | Change Record Index provides information of system trouble reports. |
| Glossary | defines terms and abbreviations used in this publication. |

Conventions

The following conventions pertain to this publication:

- Where the functionality for all CAT devices is identical, the term "CAT" is used.

Related Reading

The following documents are related to the subject matter of this publication:

Transaction Technology, Inc., *Common CAT Configuration (CAT.ev) File Parameters*, TTI-96-0003-00, TTI, Santa Monica, California, 1996.

Transaction Technology, Inc., *CAT/FEP Message-Level Interface Specification, Volume I—Common CAT*, TTI-95-0067-00, TTI, Santa Monica, California, 1996.

Transaction Technology, Inc., *Common CAT Network Error Codes Specification*, TTI-95-0066-00, TTI, Santa Monica, California, 1996.

Transaction Technology, Inc., *Common CAT Specification*, TTI-94-0129-01, TTI, Santa Monica, California, 1996.

Transaction Technology, Inc., *International Citicard (ICC) Standalone CAT Application Product Specification*, TTI-95-0043-00, TTI, Santa Monica, California, 1996.

Transaction Technology, Inc., *Global International Citicard (ICC) CAT Application Product Specification—Portuguese*, A-968, TTI, Santa Monica, California, 1996.

Transaction Technology, Inc., *Global International Citicard (ICC) CAT Application Product Specification—Chinese*, A-969, TTI, Santa Monica, California, 1996.

Transaction Technology, Inc., *Global International Citicard (ICC) CAT Application Product Specification—Italian*, A-970, TTI, Santa Monica, California, 1996.

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Transaction Technology, Inc., *Global International Citicard (ICC) CAT Application Product Specification—French*, A-974, TTI, Santa Monica, California, 1996.

Transaction Technology, Inc., *Global International Citicard (ICC) CAT Application Product Specification—German*, A-975, TTI, Santa Monica, California, 1996.

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Chapter 1

Introduction

This APS supports the TTI business requirements for Phase 1 of the Global ICC product. It describes the software operation of the Global ICC application in the English language, which was developed as a part of Release ICC603 (ICC Phase 5).

The Global ICC product primarily serves Citicorp and Citibank customers who require access to their accounts via a Customer Activated Terminal (CAT) when they are away from their home financial institution.

This application is installed in Citicorp and Citibank businesses that offer CAT, Drive-Up CAT (DUCAT), Personal Computer Customer-Activated Terminal (PC CAT), and production Customer Activated Sales and Services Terminals (CASST) services, to their own customers. The business' local CAT application, if there is one, performs card processing. In the absence of a local CAT application, this function is performed by the application "Card Processing for Standalone ICC CAT" (documented in the APS of the same name, document number TTI-95-0043-00).

Card Processing then determines where the card is from. If it is from outside the local region, it is identified as an ICC customer. All subsequent processing for ICC customers is then performed by the Global ICC Application.

This chapter describes the following Global ICC functions:

- Supported Transactions (Section 1.1)
- Card Prefix File (Section 1.2)
- Definitions, Terms, and Conventions (Section 1.3)
- External Service Provider Description (Section 1.4)
- Application Defaults (Section 1.5)

1.1 Supported Transactions

The following transactions are supported:

- Cash Withdrawal
- Cash Advances
- Balance Inquiry
- Transaction Journal
- Transfer and Transfer Payments

Each of these transactions is supported for any currency defined by the International Organization for Standardization (ISO).

1.2 Card Prefix File

The card prefix file provides the application with information specific to the card being used. Since most cards processed by this application are Citicorp or Citibank cards, cards about which Citicorp knows substantial information, extensive use is made of a card prefix file.

The card prefix file is maintained on the Front-End Processor (FEP). The application requests the card prefix information for the card being used via Function Code 4117 (Request For Card Prefix Table).

The card prefix file supplies default currency and customer service referral information to the application.

1.3 Definitions, Terms, and Conventions

The following contains terms, definitions and conventions found in this document.

1.3.1 Glossary of Terms

Action Code

FEP error codes are mapped into Action Codes by the application/integrator interface and used by the CAT software to determine what action to perform based on network response.

Background Message

A message that is sent from the CAT to the host processor for which the CAT does not have to wait for an immediate response. The CAT session may continue until either the response from the message sent is required for continued processing, or the CAT needs to send another message to the host processor.

Bankcard - (Citicorp and Citibank Bankcard)

For most CAT applications, bankcards are cards issued by Citicorp or Citibank. These are either credit cards (for example, MasterCard® or VISA®) or travel and entertainment cards (for example, Diners Club®).

Bank Identification Number

A number embossed and encoded on plastic cards that indicates the institution that issued the card.

CA Category

See Citibank Account (CA) Category

CAT

Customer Activated Terminal is a terminal assembled by Citicorp TTI that is used as the strategic automated teller machine (ATM) for Citibank and Citicorp businesses worldwide.

Card Prefix Table (CPT)

A table that contains information about the cards supported at the CAT. That CPT may also contain a default entry if a specific card prefix is not found in the file.

Card Reader

The mechanism for reading the Magic Middle and/or the magnetic stripe on the customer's card. There are two types of card readers: dip readers and transport readers.

Cash Dispensing Mechanism (CDM)

The CAT delivery subsystem that dispenses cash and/or travelers checks to the customer.

Citibank Account (CA) Category

A generic grouping of one or more product types under a single heading. In this application, the On-Us ICC card customer is asked to choose

among these categories on the Main Menu. Based on the choice made from the Main Menu, a customized function menu is offered next. There are four CA categories in Global ICC:

- Checking or Current
- Savings and Investments
- Credit Cards
- Loans

CPT

See Card Prefix Table.

Depository

The CAT delivery subsystem that accepts deposit and payment envelopes from the customer.

Dip Reader

A type of card reader that works by the customer quickly inserting and removing his/her card in one motion.

DUCAT

Drive-Up CAT. A drive-up model of the CAT hardware.

External Service Provider (ESP)

A system that provides data to the CAT, usually a FEP. Most messages consist of a request from the CAT and a response from the FEP.

Front-End Processor (FEP)

A system to which all CATs in a business are connected. The FEP passes service provider information to the CAT application and possibly provides other functions, such as network control. Each business has its own FEP. Usually, local account information is maintained in the business' FEP. For Citibank accounts from other businesses and for Off-Us accounts, the FEP serves as a switch to route requests to CitiShare® and then onto the host of the other network.

Integrator

A part of the CAT software environment that handles message processing to the Host or FEP, including initialization, application requests, scam processing, Billing/Deposit Reversal retries, and the reporting of the ESP status on a Network Control Facility (NCF) inquiry.

Magic Middle Card

A card that contains customer information encoded internally in the card.

Magnetic Stripe Card

A card that contains customer information encoded magnetically on a stripe located on the back of the card.

PC CAT

A personal computer, located in a branch, that runs CAT applications with the assistance of a customer representative. Mainly in branches without a CAT.

PC Printer

A peripheral printer attached to a PC running PC CAT.

Personal Identification Number (PIN)

Represents the identification number selected by a customer as his/her personal access code.

Product Category Code

A standard categorization (as opposed to region or business-specific) used by Global ICC as a basis for display content and functionality supported. See NO TAG for a listing of these codes for Global ICC.

Product Type Code

A code indicator used by the CAT to differentiate among products.

Record Printer

A printer which provides a paper record of transactions conducted during the session.

Special Instruction Number (SIN)

A status code sent by the network to indicate a special condition that has resulted from a network request.

Transport Reader

A card reader which retains the customer's card throughout the session.

Touchscreen

A touch-sensitive CAT screen, completely eliminating the need for buttons. The system communicates with the customer through screens, graphics, and sound. The customer communicates with the system by putting his/her fingers on the touch-sensitive areas of the screen, as indicated by the screen graphic.

1.3.2 Related Applications and Abbreviations

Following is a list of applications and their abbreviations, which are referenced in this APS:

| Abbrev. | Application Name |
|---------|--|
| PS | Product Select (On-Us or Standalone ICC) |
| PN | Product Select (Generic ICC) |
| WN | Withdrawal |
| BN | Balance Inquiry |
| TN | Transfer |
| CN | Common Screens and Procedures |

1.3.3 Flowcharting Conventions

This section details the standard flowchart symbols.

Application Change -



Denotes a transition in screen flows to a different application. To follow the flow, look for the screen number within the application flow symbol in the other application. Application flow proceeds from that point.

Onpage Connector -



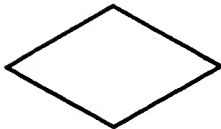
Exit to, or entry from, another part of the flowchart on the same page or sheet.

Offpage Connector -



Entry to, or exit from, another part of the flowchart on a different page or sheet.

Decision State -



Describes a condition that, depending upon the outcome, follows a different flow.

Document -



Denotes the output of a document (that is, a printed transaction record).

Input/Output -



Denotes an online input or output to or from the CAT (for example, cash or card read).

Integrator Call -

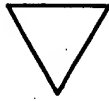


Describes a process in which the integrator is called and data is retrieved from or written to an ESP.

Manual Input -



Denotes a manual input (for example, deposit envelope).



Merge -

Used to merge screen flows.



Process -

Indicates that a specific action or process must happen (that is, Set Good-Read = True, or Set Card-Type = VISA).



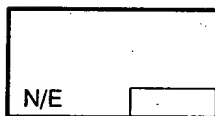
Subroutine -

Indicates the beginning and/or call to a process or subroutine (that is, Account Resolution or Personal Identification Number Validation).



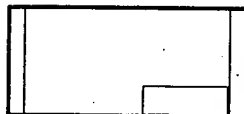
Present Screen -

Denotes the name of a screen or overlay and its number. The screen should be displayed immediately with no pause.



No Exit Screen -

Denotes the name of a screen, its corresponding number, and that this particular screen does *not* have an EXIT button. The screen should be displayed immediately with no pause.



Prepare Screen -

Denotes the name of a screen overlay and its number. The screen should have no transitions defined, and is displayed only when an overlay with transitions is displayed later.

1.3.4 Standard Data Element Conventions

This section describes the format of the information provided with each screen.

Data Name -

A name associated with a piece of variable data. Data items returned from an ESP use initial capitalization (for example, Eqv_Txn_Amt). All other variable names use lowercase letters only (for example, acct_desc5). Developers need not use the same variables or data names used in the APS.

I/O - Input/Output -

The I/O entry indicates whether the data item is an input or an output variable.

Format -

For output variables, the format entry defines how to display the data item on the screen. If the data item is an input variable, the format designates how to format the data after the screen is terminated.

X(n) -

Alphanumeric output variable, n characters in length.

X(n) / \$ X(n) / W and X(n) / Z -

These field formats indicate three different ways to format the output of numerical data, where *n* is the length of the field in characters. All three formats have truncated leading zeroes. In formats with a currency descriptor or with decimal places, Table C-1, Currency Formats, indicates which descriptor to use, the thousands delimiter, the decimal delimiter, and the number of decimal places to include. The currency descriptor floats in front of the numerical amount.

\$ Includes a currency descriptor and decimal places
(\$100.00)

Z Includes decimal places, but no currency descriptor
(100.00)

W Includes a currency descriptor, but no decimal
places (\$100)

Conceptually, this format is the same as a \$\$\$\$,\$\$9.99-, except that the currency descriptor can vary.

9(n) -

Numeric output variable of the maximum transfer value.
Always display n digits, including leading zeroes.

L-R-V-C Right- Left-Variable -

This L-R-V-C entry indicates how the output variable should be justified.

“L” denotes left justified display of the variable, leaving any additional unused character positions to the right of the display.

“R” denotes right justified display of the variable, leaving any additional unused character positions to the left of the display.

“V” denotes left justified display of the variable where any unused character positions are truncated, and following text (or variables) on the display line is shifted to the left, one character after the end of the variable.

“C” denotes centered justification of the variable within the maximum field size.

1.3.5 Screen Numbers

This section lists the range of valid screens per application.

| Application Screen Type | First 2 Positions | Last 2 Positions |
|-------------------------|-------------------|------------------|
| Product Select | PN55XX | 01-99 |
| Balance Inquiry | BN58XX | 01-49 |
| Transfer | TN57XX | 01-99 |
| Withdrawal | WN56XX | 01-99 |
| Common Screens | CN59XX | 01-99 |
| Printer Records | PR00XX | 01-50 |

1.4 External Service Provider Description

The ESP used for all ICC installations is the FEP. The CAT/FEP MLIS, TTI-95-0067-00 defines the messages sent between the CAT and the FEP.

1.5 Application Defaults

The following default values should be used by this application unless specifically stated in the screen definition.

1.5.1 Description of Timeouts

This section defines default values used in this APS whenever the timeout value is not explicitly stated in the flowchart for a screen. The examples here define common values that can be used for any business not having specific requirements for different timeout values. These values are from the customer's viewpoint.

1.5.1.1 General Screens

The general screen timeout is 45 seconds. This is a timeout while waiting for the user to touch the screen.

1.5.1.2 Error Screens

The default timeout for error screens that terminate the session (that is, return to the Hello screen) is seven seconds.

1.5.1.3 N/E (Action) Screens

These screens stay up for as long as it takes to prepare and present the next screen, but no less than a minimum of 2 seconds. The minimum is specified here in order to prevent the screen from "flashing" on and off without a customer being able to read what it says. (For an example of this screen, see CN5901 - "Just a Moment, Please.")

1.5.1.4 Cash Dispenser

The default timeout on the cash dispenser while waiting for the user to remove cash from the slot is 70 seconds.

1.5.1.5 Card Capture

The default timeout on the transport card reader while waiting for a user to take his/her card after it has been ejected is 24 seconds.

1.5.1.6 ESP/FEP

The screen timeout while waiting for a response from an ESP is specified during the detailed design phase and is not a part of this APS.

1.5.1.7 PIN Entry

The default timeout while waiting for a user to enter a PIN is 20 seconds.

1.5.2 Font Specifications

TTI's Application Generation System (AGS) has several font sizes available for non-pictographic alphabets. The two font sizes used are 40 characters across by 20 lines down (abbreviated as 40 x 20), and 53 characters across by 24 lines down (abbreviated as 53 x 24).

The default font to be used is the 40 x 20 font. This font is represented on the screen displays in this APS by the font and point size you are currently reading. The 53 x 24 font is represented on the screen displays in this APS by the following font and point size:

This smaller text represents the 53 x 24 font.

Note

When the 53 x 24 font is used, the column number indicators above the screen displays in this APS are not accurate. When AGS screens are generated, the starting and ending column positions must be estimated based on the screen representation in the APS.

All screens that require graphics, such as keypads, keyboards and menus, do not require a column-to-column, row-to-row correlation between the APS and AGS screens. This is because the spacing of the APS electronic publishing software does not correspond directly to the spacing of AGS.

1.5.3 Color Conventions

This section describes the colors and color conventions used by the ICC application.

1.5.3.1 Text Display Colors

The colors used by this application appear in the table below. Red, Green and Blue (RGB) values are specified in the range from 0 to 255.

| No. | Name | Red | Green | Blue |
|-----|------------------|-----|-------|------|
| 0 | black | 0 | 0 | 0 |
| 1 | almost black | 32 | 32 | 32 |
| 2 | dark blue | 48 | 48 | 80 |
| 3 | dark blue-gray | 80 | 80 | 112 |
| 4 | medium blue-gray | 112 | 112 | 144 |
| 5 | pale blue-gray | 144 | 144 | 176 |
| 6 | light blue-gray | 176 | 176 | 208 |
| 7 | white | 240 | 240 | 240 |
| 8 | black | 0 | 0 | 0 |
| 9 | blue | 0 | 0 | 176 |

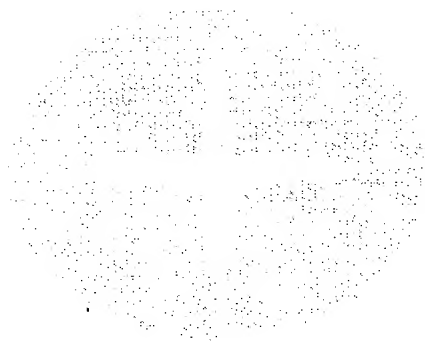
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| No. | Name | Red | Green | Blue |
|-----|-------------|-----|-------|------|
| 10 | red | 144 | 48 | 48 |
| 11 | dark green | 38 | 177 | 94 |
| 12 | green | 0 | 250 | 64 |
| 13 | dark yellow | 243 | 205 | 13 |
| 14 | yellow | 250 | 220 | 40 |
| 15 | white | 240 | 240 | 240 |

1.5.3.2 Specific Elements

The standard colors used in an application for text display are:

| Element Description | Color | Color Number |
|---------------------|-----------------|--------------|
| Prompt text | yellow | 14 |
| Key/Button text | white | 7 |
| Recap text | light blue-gray | 6 |
| Recap amounts | green | 12 |
| Border Color | dark blue | 2 |
| Background Color | dark blue | 2 |



Chapter 2

Product Select

The Product Select application controls language selection, transaction selection, exit processing, session end, and printing of records.

ICC Standalone Product Select is the application that controls the start of session, initial card read, and routing to the generic ICC applications. The Standalone Product Select application is used only by ICC CATs that are **solely** running ICC applications; that is, CATs that accept only ICC cards (no On-Us cards are accepted).

This chapter covers the following:

- Supported ESP Messages (Section 2.1)
- Processing Overview (Section 2.2)
- Flowcharts (Section 2.3)
- Special Tables (Section 2.4)
- Screens (Section 2.5)
- Processes (Section 2.6)

2.1 Supported ESP Messages

The Product Select application uses the following ESP messages:

| Message ID | Message Description |
|------------|---------------------------------------|
| 4117 | Request for Card Prefix Table (CPT) |
| 4604/X11FC | Profile with Balance/Citicard Summary |

2.2 Processing Overview

The following provides the Product Select processing overview:

- If this card is an ICC card (it was found in the ICC Language Table), then build this session's language list. Otherwise, assume that the card is an Off-Us card and use only the languages designated as the Off-Us for language selection.
- Language Selection.
- PIN Entry.
- Citibank Account (CA) Category Selection (Debit Cards only).
- Send Profile Message.
- Transaction Selection.
- Exit Session.
 - Print record (if applicable).
 - Return card (if applicable).

2.3 Flowcharts

This section shows the flowcharts for the Product Select application.

Unless otherwise specified, pressing the **EXIT** key on any screen will transition to Process 5552.

Similarly, timeouts activate the standard "Timeout" routine in Common Screens and Procedures.

Product Select

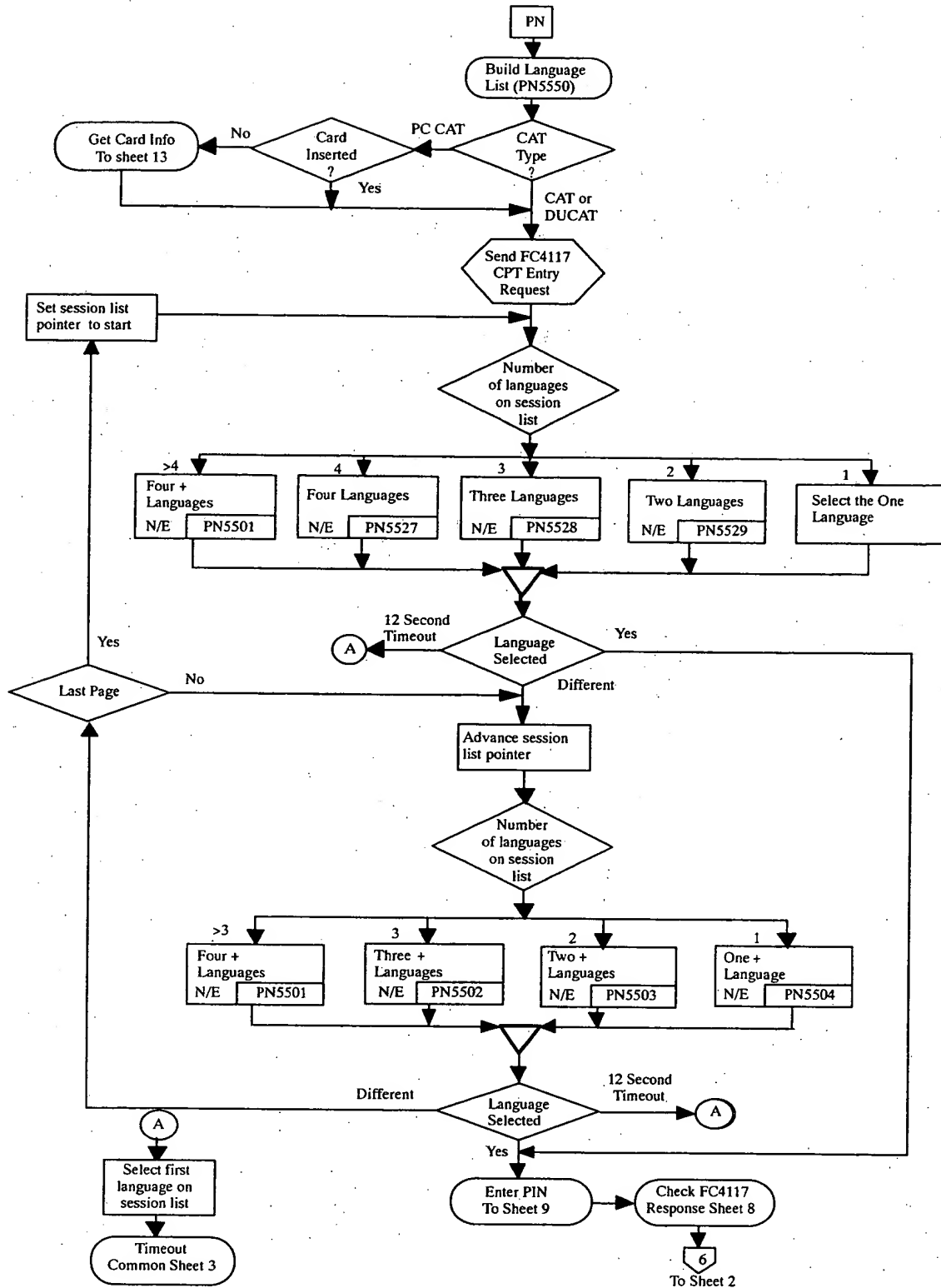


Figure 2-1. Language Selection (Sheet 1 of 13)

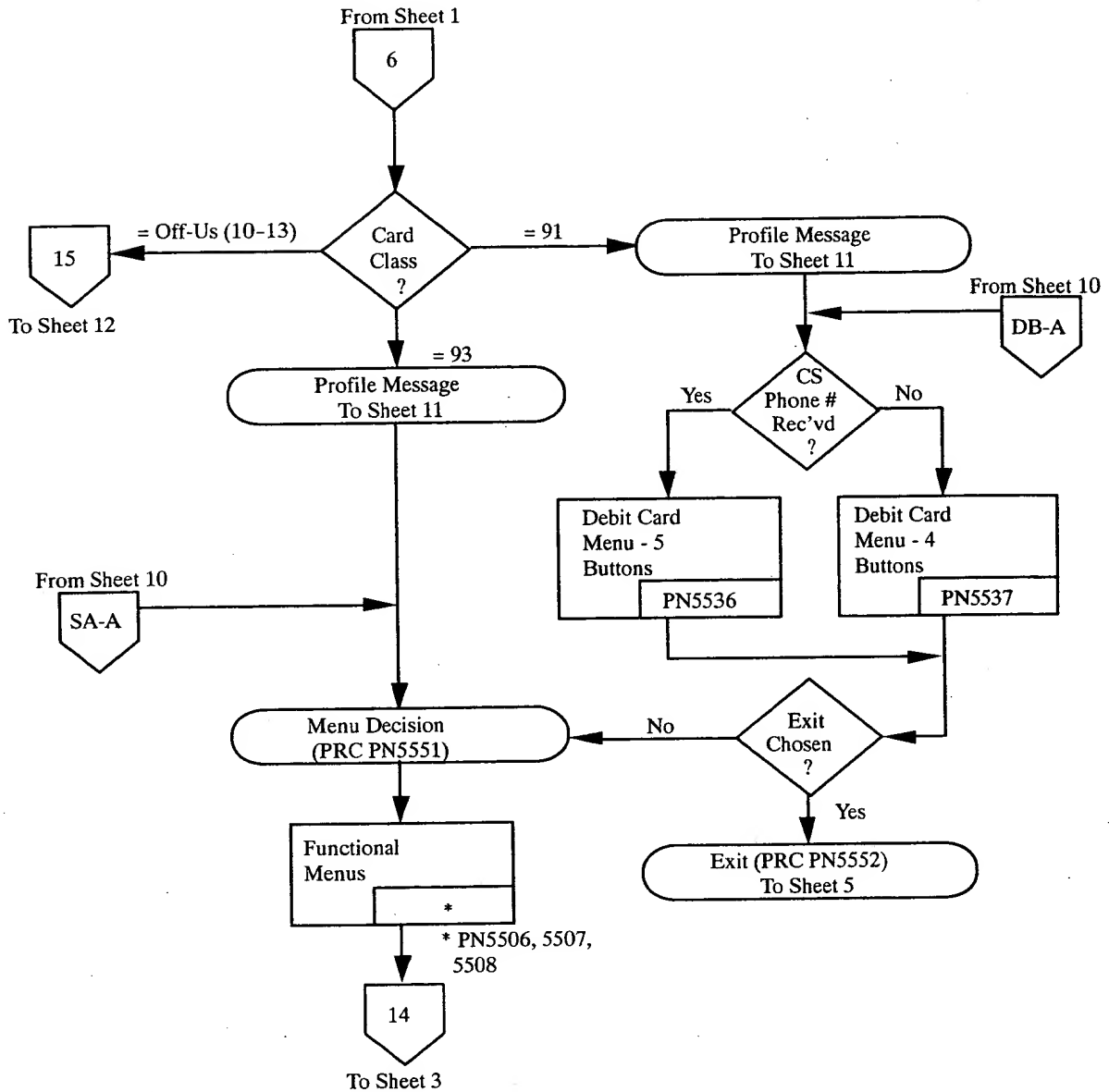


Figure 2-2. Transaction Selection (Sheet 2 of 13)

Product Select

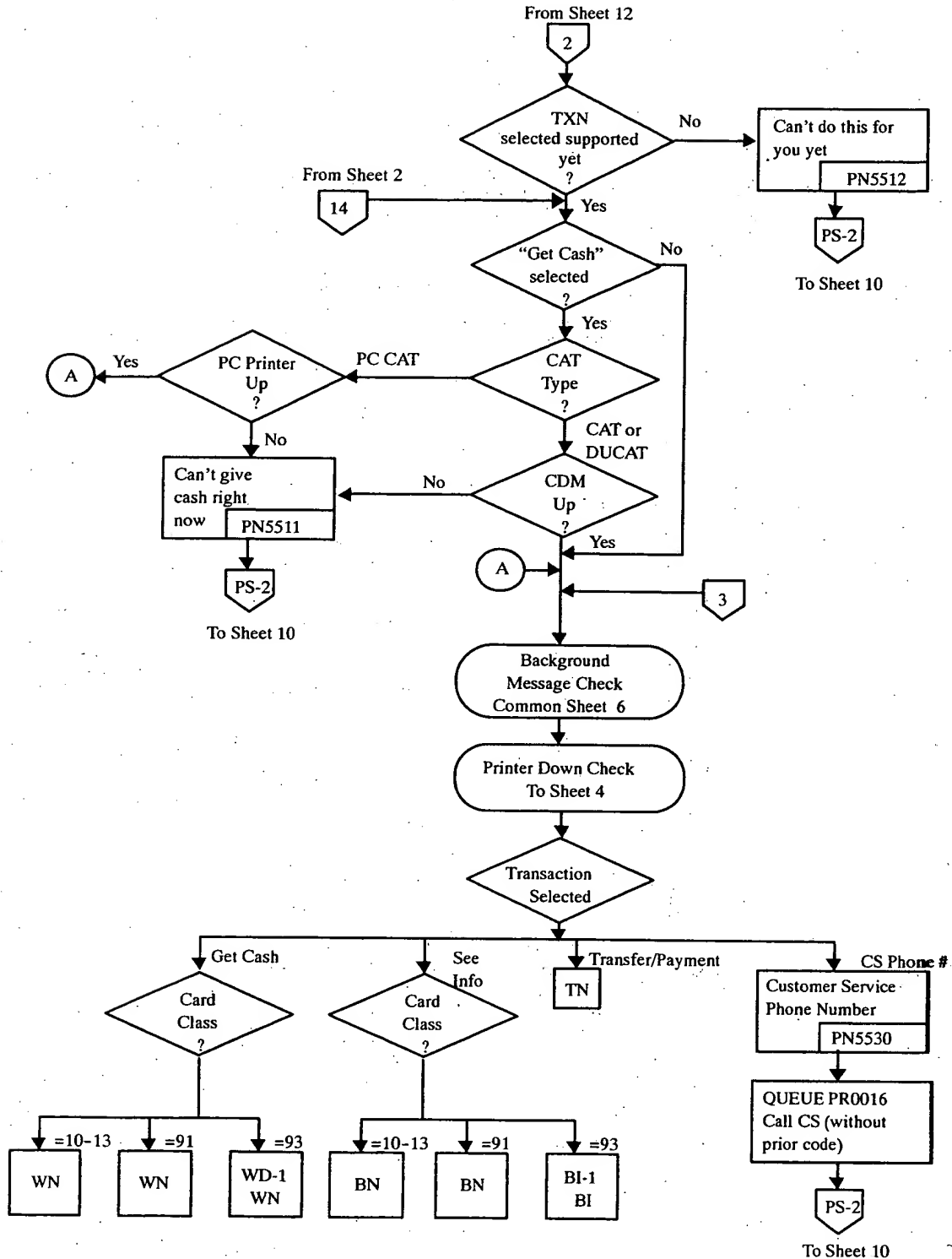


Figure 2-3. Transaction Selection - Continued (Sheet 3 of 13)

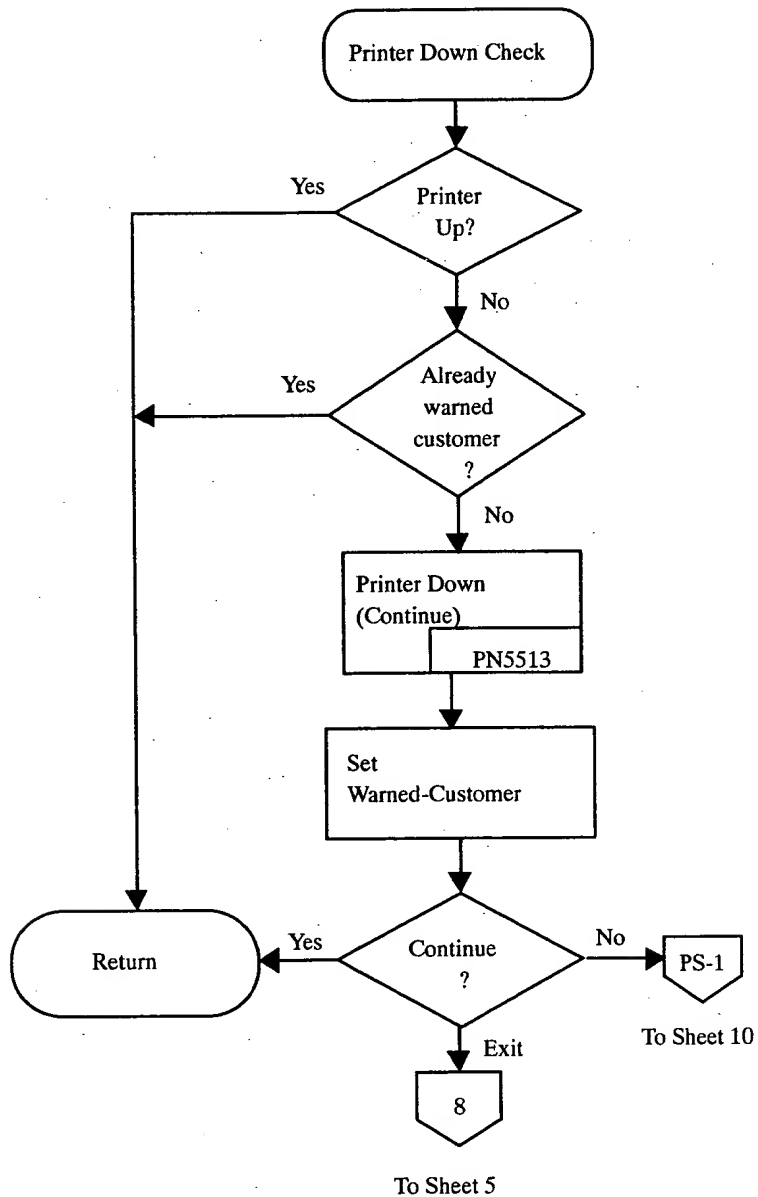


Figure 2-4. Printer Down Check (Sheet 4 of 13)

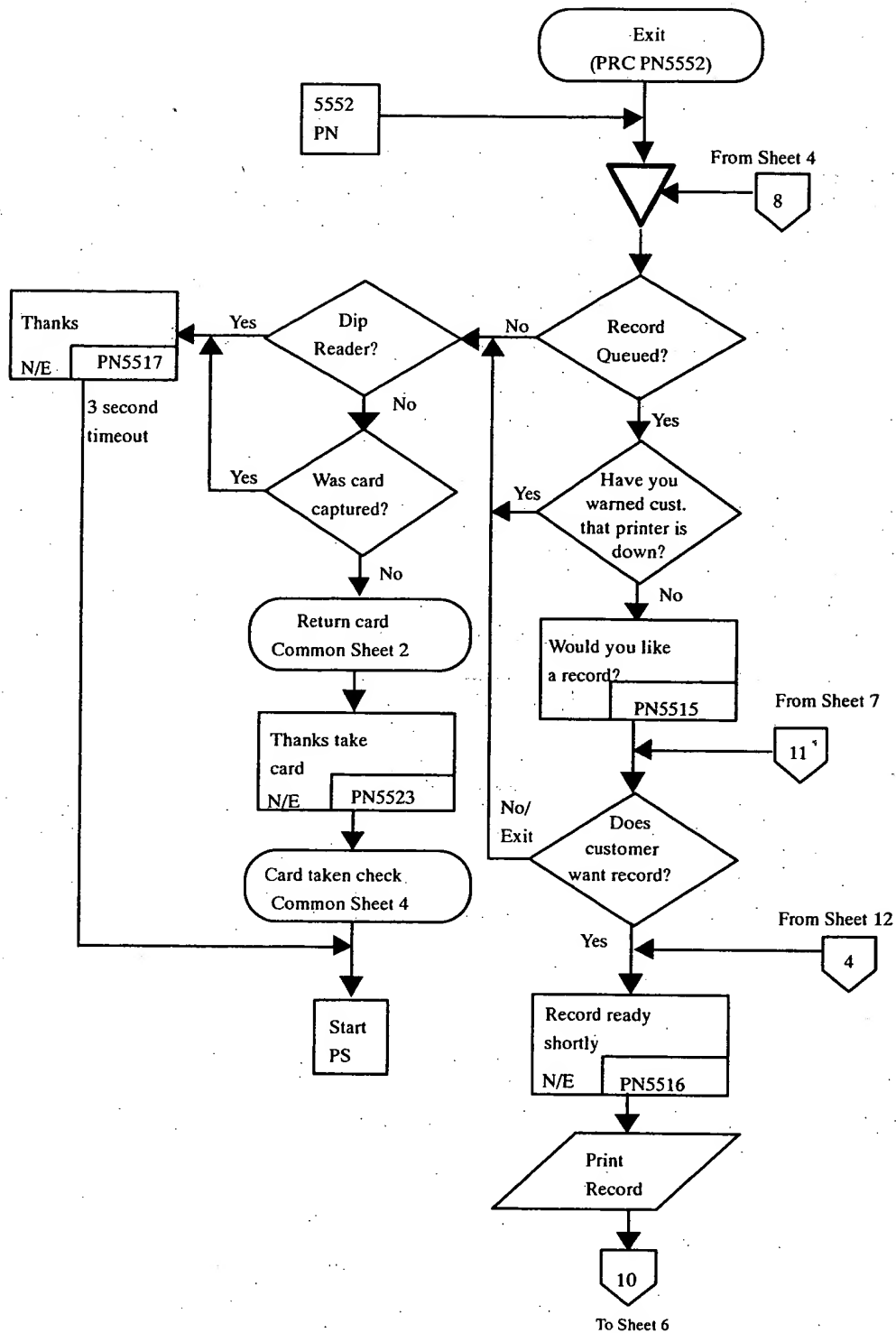


Figure 2-5. Exit Processing (Sheet 5 of 13)

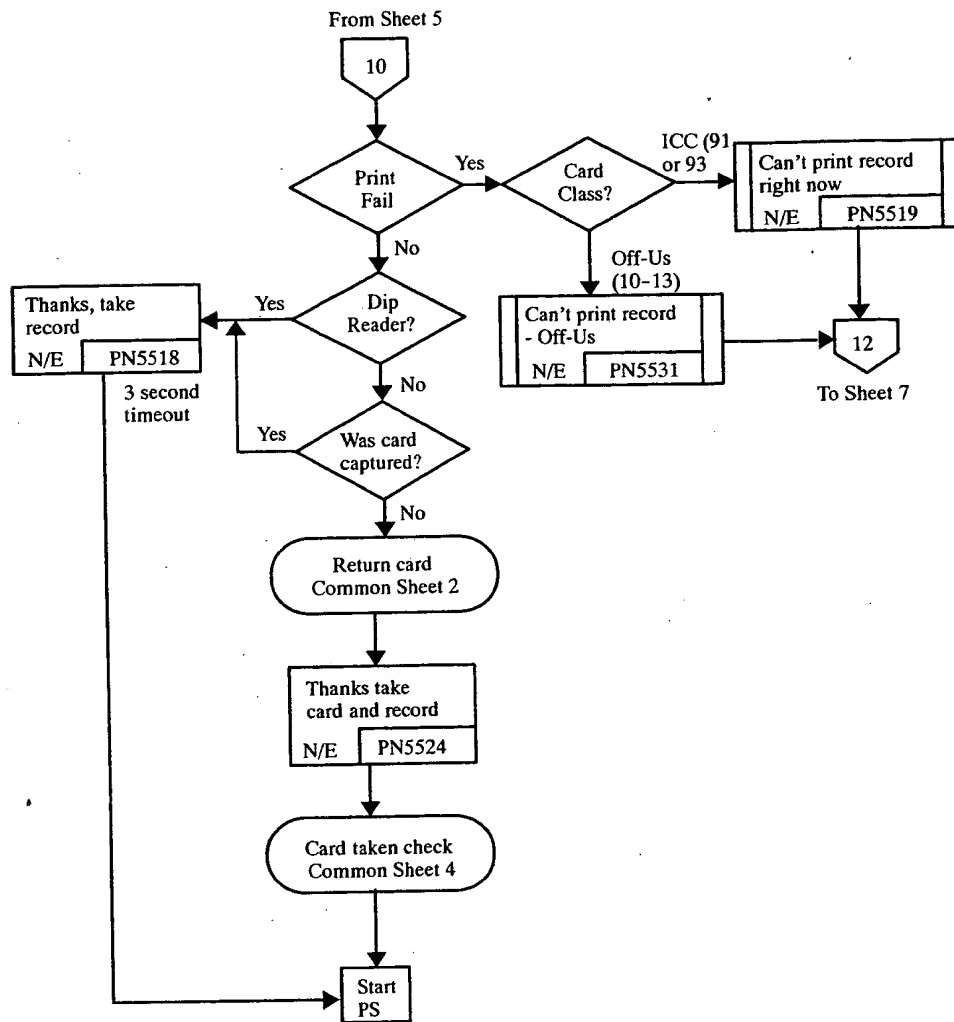


Figure 2-6. Exit Processing - Continued (Sheet 6 of 13)

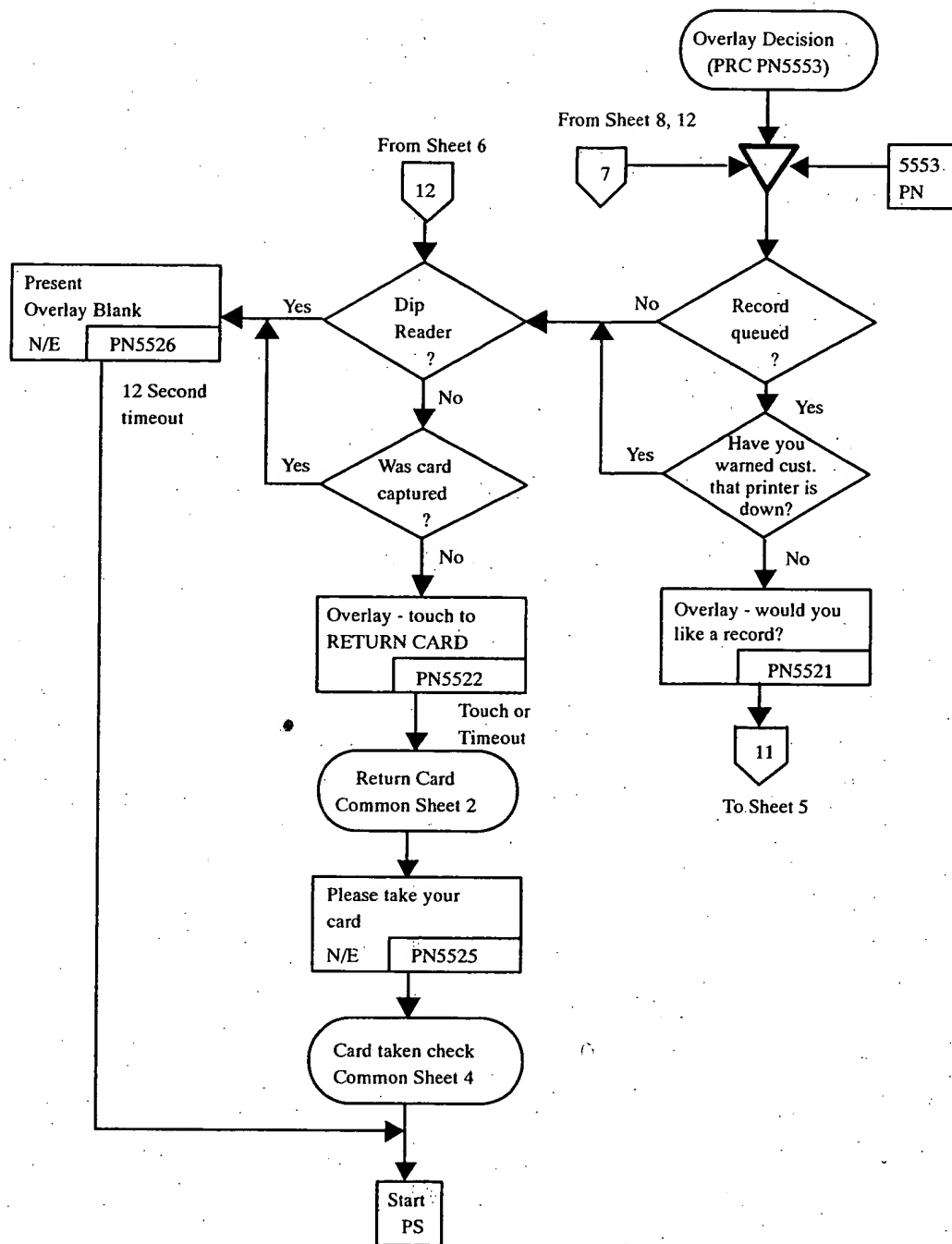


Figure 2-7. Overlay Decision (Sheet 7 of 13)

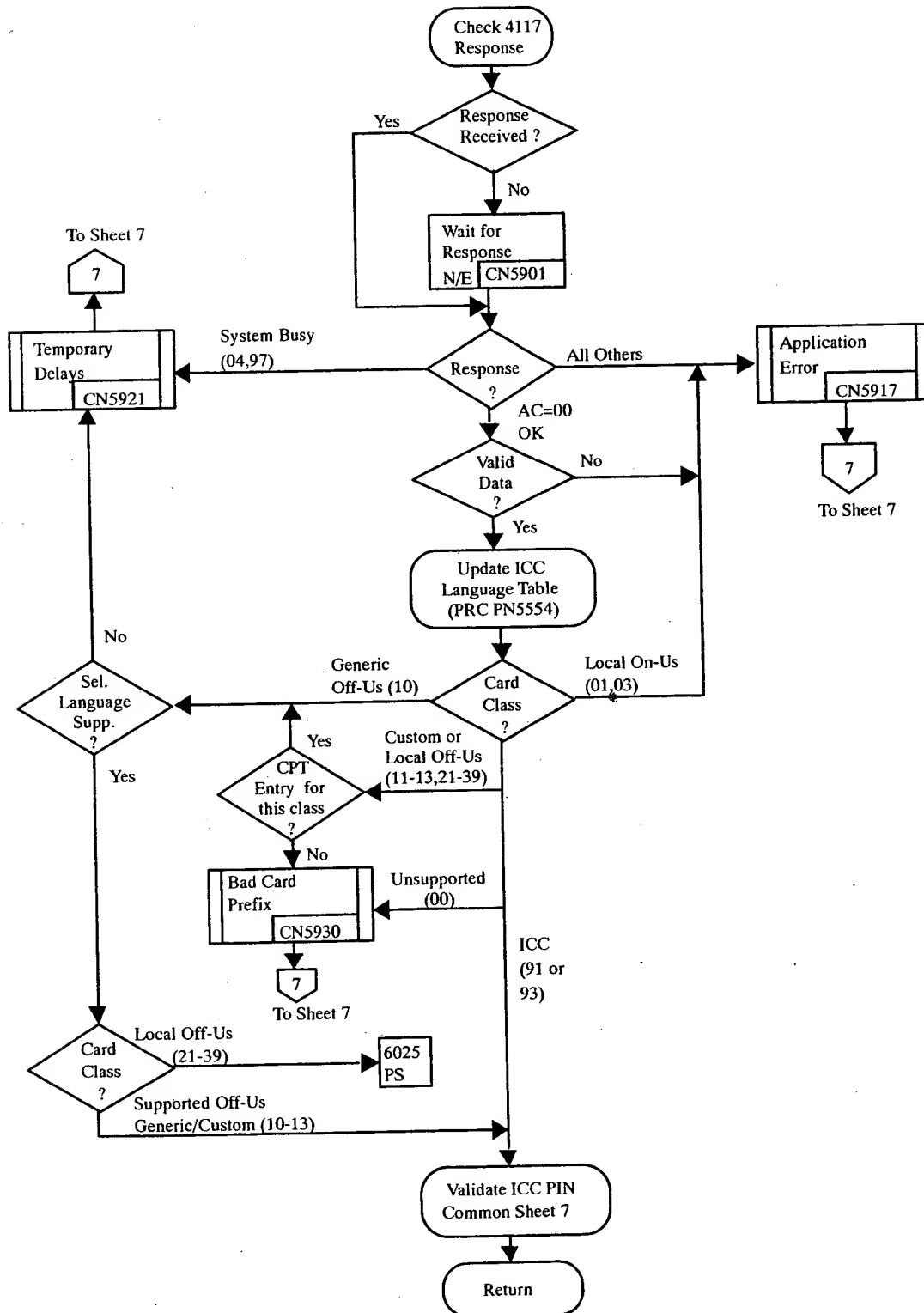


Figure 2-8. Check FC4117 Response (Sheet 8 of 13)

Product Select

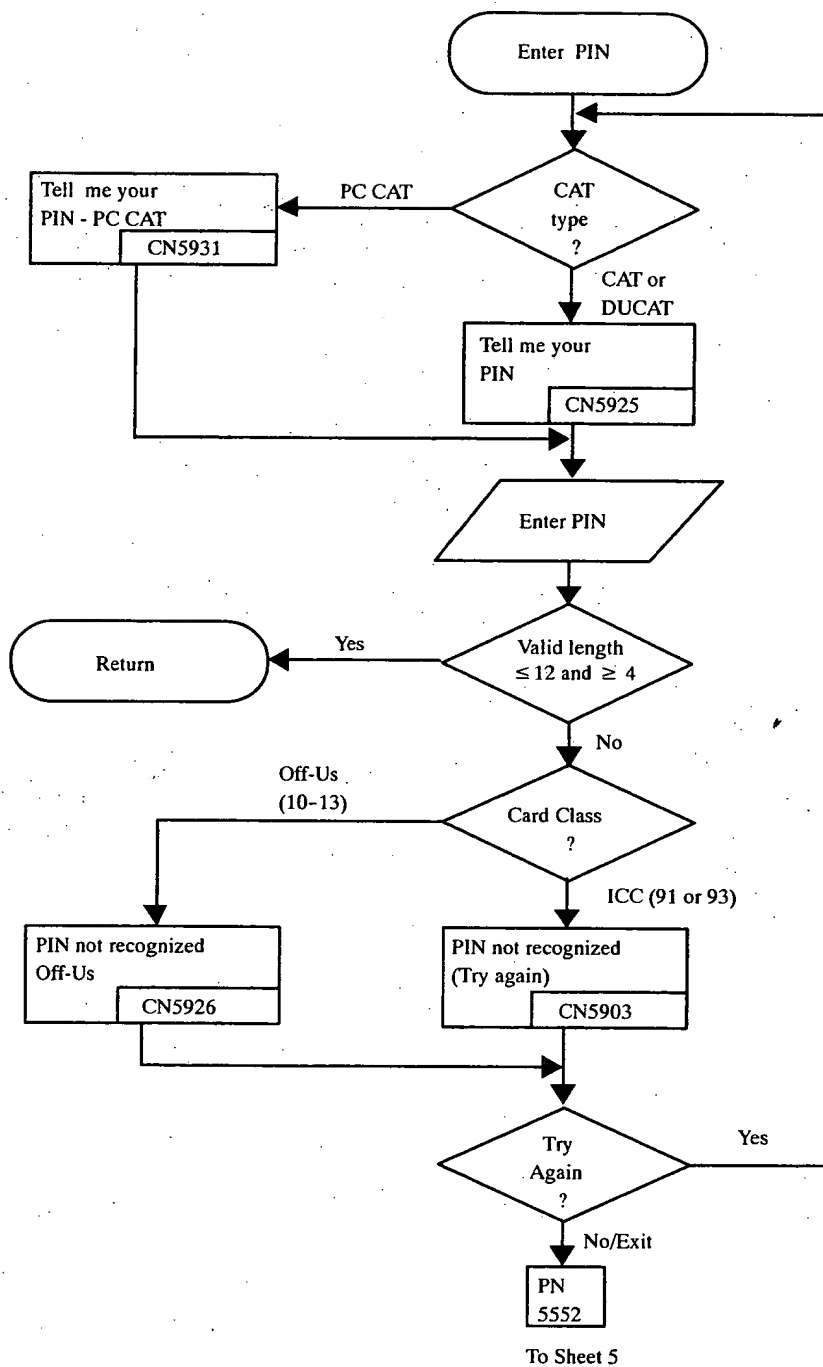


Figure 2-9. Enter PIC/PIN (Sheet 9 of 13)

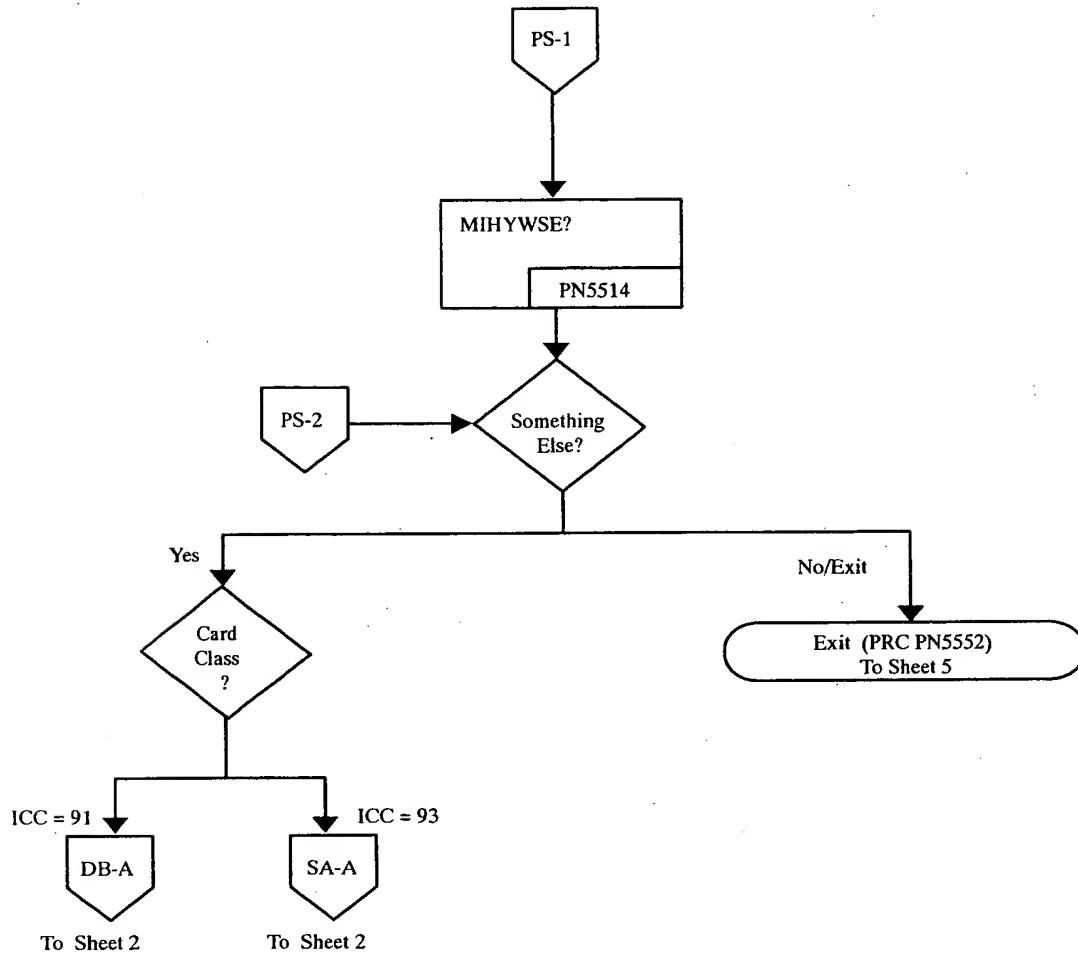


Figure 2-10. May I Help You With Something Else (Sheet 10 of 13)

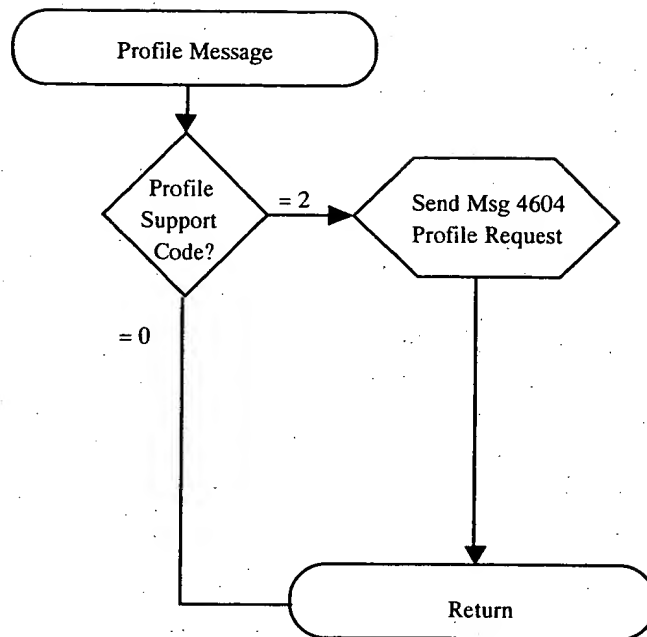


Figure 2-11. Profile Message (Sheet 11 of 13)

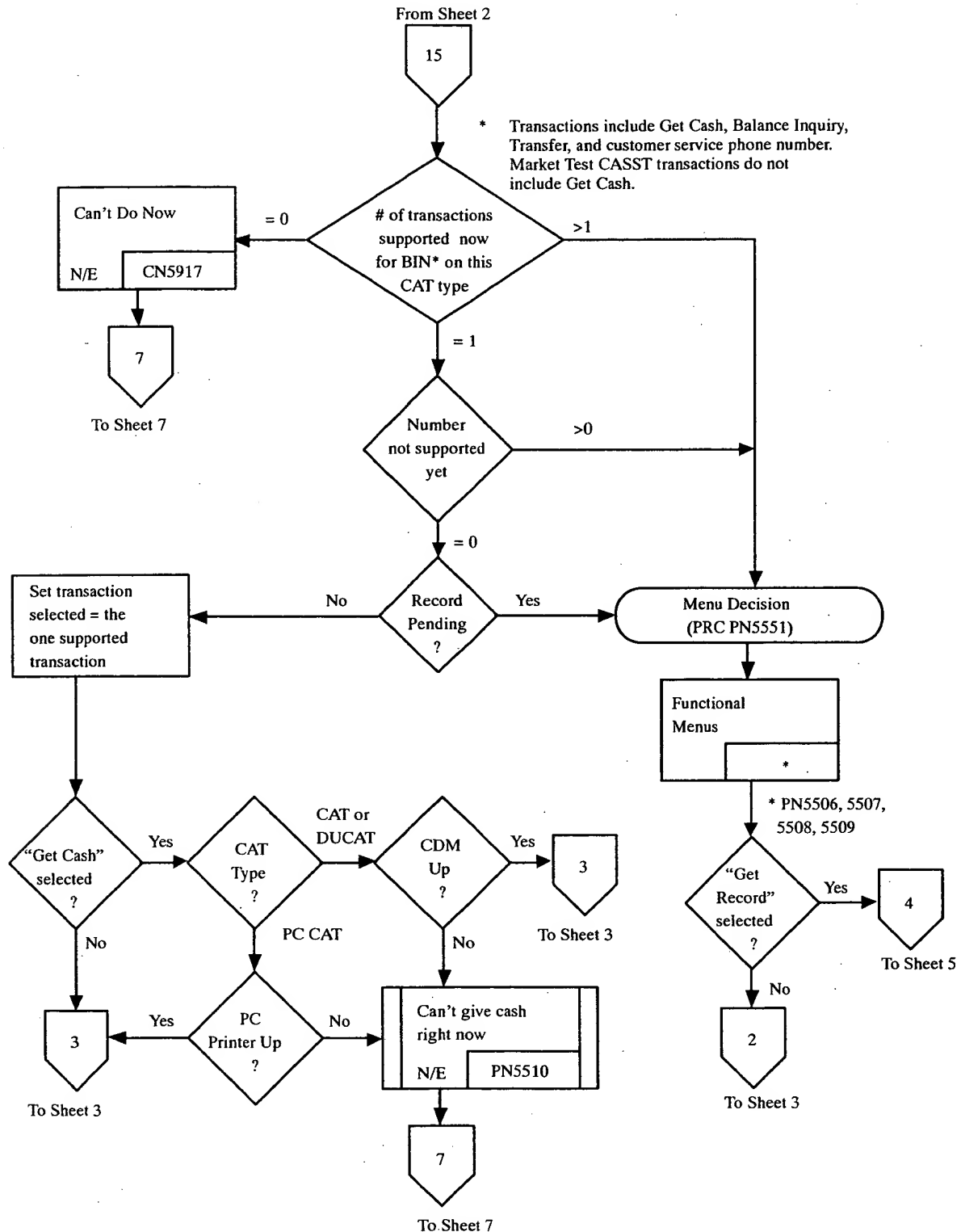


Figure 2-12. Off-Us Transaction Selection (Sheet 12 of 13)

Product Select

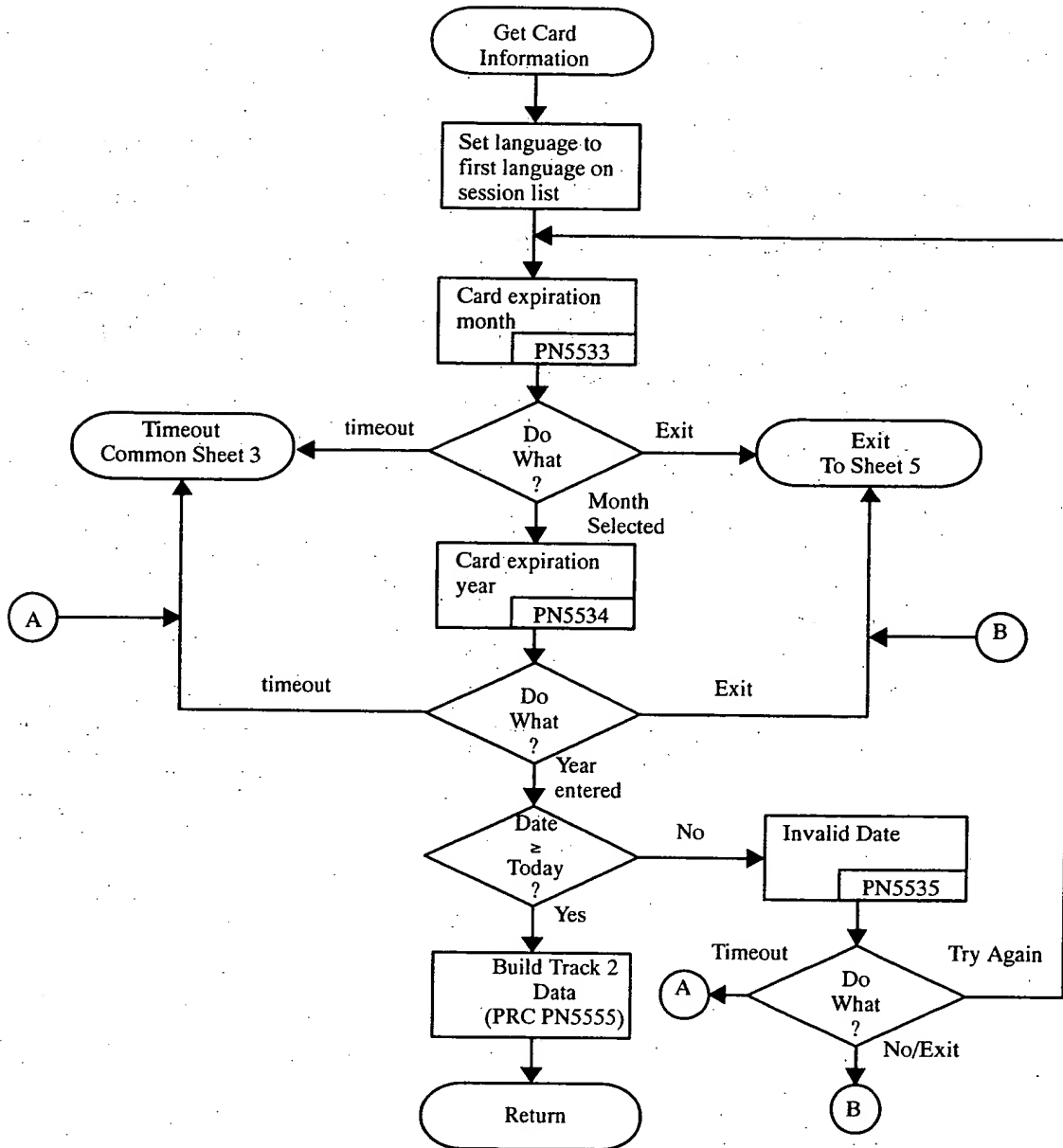


Figure 2-13. ICC Product Select Get Card Information (Sheet 13 of 13)

2.4 Special Tables

Table 2-1 shows the Citibank Account (CA) categories and the products that make them up. The text for these Category and Product Names appear with minor grammatical variations in the screens, tables and Standard Data Elements throughout this publication.

Table 2-1. CA and Product Category Names

| CA Category Name | Product Category Name | Product Category Code |
|-------------------------|--------------------------|-----------------------|
| Checking or Current | Checking/Current | 1 |
| Savings and Investments | Savings | 2 |
| | Money Market | 3 |
| | Time Deposit | 4 |
| | Other Savings/Investment | 5 |
| Credit Cards | Visa | 9 |
| | MasterCard | 10 |
| | Diners Club | 11 |
| Loans and Other Credit | Line of Credit | 6 |
| | Mortgages | 7 |
| | Other Loans | 8 |

Table 2-2 shows the functional menus that get built based on the type of card the customer is using. In the case of a debit card, the functional menus are customized to the Citibank Account (CA) category that the customer has chosen. The actual screen text and an explanation of how these menus are built for each of these card classes are shown in Table 2-3.

Table 2-2. Functional Menus by Card Type and Category

| Card Type | Citibank Account (CA) Category | Functionality Available |
|--|--------------------------------|----------------------------|
| Debit Cards (Card Class = 91) | Checking or Current | See Information |
| | | Get Cash |
| | | Make a Transfer or Payment |
| | Savings and Investments | See Information |
| | | Get Cash |
| | | Make a Transfer or Payment |
| | Credit Cards | See Information |
| | | Get a Cash Advance |
| | | Make a Transfer or Payment |
| | Loans and Other Credit | See Information |
| | | Get Cash from Credit |
| | | Make a Transfer or Payment |
| Credit/T&E Cards (Card Class = 93) | Credit Cards | See Information |
| | | Get a Cash Advance |
| | | Get Customer Service |
| Off-Us Cards (Card Classes 10-13) | N/A | Get Cash |
| | | See Information |
| | | Transfer Money |
| | | Get Customer Service |
| | | Get a Record |

Table 2-3 is the Transaction Selection table. This table defines what the Functional Menu buttons (PN5506 – PN5509) should say depending upon the transactions supported for a given card class, the status of the peripherals, and the availability of certain pieces of data.

In Table 2-3, “cash available” means that the cash dispenser is up and at least one denomination of at least one currency supported by ICC is both configured for this CAT and currently available.

For PC CAT, “available” cash is not checked. Instead, the status of the PC CAT printer is checked.

NOTE

See Procedure *PRC PN5551* in Section 2.6 for more information.

Table 2-3. Transaction Selection

| Transaction and Device Type | | Button Text Centered | Button Text Top Line | Button Text Bottom Line |
|---|---|----------------------|----------------------|--------------------------------|
| Get Cash (from Checking/Savings products and for Off-Us Cards - Card Classes 91 and 10-13) | | | | |
| CAT or DUCAT | Supported - cash available | “Get Cash” | <blank> | <blank> |
| | Supported - cash not available | <blank> | “Get Cash” | “I can’t do this right now.” |
| | Not supported yet (only for Card Classes 10-13) | <blank> | “Get Cash” | “I can’t do this for you yet.” |
| PC CAT | Supported - PC Printer up | “Get Cash” | <blank> | <blank> |
| | Supported - PC Printer down | <blank> | “Get Cash” | “I can’t do this right now.” |
| | Not supported yet | n/a | n/a | n/a |
| Market Test CASST | There will not be a Get Cash button | n/a | n/a | n/a |

Table 2-3. Transaction Selection (cont.)

| Transaction and Device Type | | Button Text Centered | Button Text Top Line | Button Text Bottom Line |
|--|--|------------------------|------------------------|--------------------------------|
| Get a Cash Advance (from Credit Cards for Card Classes 91 and 93) | | | | |
| CAT or DUCAT | Supported - cash available | "Get a Cash Advance" | <blank> | <blank> |
| | Supported - cash not available | <blank> | "Get a Cash Advance" | "I can't do this right now." |
| | Not supported yet | n/a | n/a | n/a |
| PC CAT | Supported - PC Printer up | "Get a Cash Advance" | <blank> | <blank> |
| | Supported - PC Printer down | <blank> | "Get a Cash Advance" | "I can't do this right now." |
| | Not supported yet | n/a | n/a | n/a |
| Market Test CASST | There will not be a Get Cash button | n/a | n/a | n/a |
| Get Cash From Credit (from Loans for Card Classes 91 and 93) | | | | |
| CAT or DUCAT | Supported - cash available | "Get Cash from Credit" | <blank> | <blank> |
| | Supported - cash not available | <blank> | "Get Cash from Credit" | "I can't do this right now." |
| | Not supported yet | n/a | n/a | n/a |
| PC CAT | Supported - PC Printer up | "Get Cash from Credit" | <blank> | <blank> |
| | Supported - PC Printer down | <blank> | "Get Cash from Credit" | "I can't do this right now." |
| | Not supported yet | n/a | n/a | n/a |
| Market Test CASST | There will not be a Get Cash button | n/a | n/a | n/a |
| See Information (All Card Classes) | | | | |
| All Devices | Supported | "See Information" | <blank> | <blank> |
| | Not supported yet (Only for Card Classes 10-13) | <blank> | "See Information" | "I can't do this for you yet." |

Table 2-3. Transaction Selection (cont.)

| Transaction and Device Type | | Button Text Centered | Button Text Top Line | Button Text Bottom Line |
|--|---|------------------------------|----------------------|--------------------------------|
| Make a Transfer or Payment (On-Us Debit Cards only-Card Class 91) | | | | |
| All Devices | Supported | "Make a Transfer or Payment" | <blank> | <blank> |
| | Not supported yet | n/a | n/a | n/a |
| Transfer Money (for Off-Us only - Card Classes 10-13) | | | | |
| All Devices | Supported | "Transfer Money" | <blank> | <blank> |
| | Not supported yet | <blank> | "Transfer Money" | "I can't do this for you yet." |
| Get Customer Service (for Standalone Credit Cards and Off-Us Cards - Card Classes 93 and 10-13) | | | | |
| All Devices | Phone Number received in FC4117 | "Get Customer Service" | <blank> | <blank> |
| Get a Record (for Off-Us Cards only - Card Classes 10-13) | | | | |
| All Devices | Record Queued and Customer has <i>not</i> been warned that the printer is down. | "Get a Record" | <blank> | <blank> |

STR 45344-S

2.5 Screens

This section presents the screens and standard data elements for the Product Select application.

Screen PN5501. Four+ Languages

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 1 what_language_1
2 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 2 what_language/what_language_c
3 |                                     | 3
4 | +-----+ | 4
5 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 5 language_1/language_1c
6 | +-----+ | 6
7 | +-----+ | 7
8 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 8 language_2/language_2c
9 | +-----+ | 9
10 | +-----+ | 10
11 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 11 language_3/language_3c
12 | +-----+ | 12
13 | +-----+ | 13
14 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 14 language_4/language_4c
15 | +-----+ | 15
16 | +-----+ | 16
17 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 17 diff_language/diff_language_c
18 | +-----+ | 18
19 |                                     | 19
20 |                                     | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------------|-----|--------|---------|--|
| what_language_1 | O | X(37) | L | If the first language on the session list is English, leave blank. |
| what_language | O | X(37) | L | If the first language on the session list is English, display "Thanks. What language shall we speak?". |
| what_language_c | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| language_1 | O | X(37) | L | If the first language left to display is English, display "Touch here to speak English". |

STR 45217-S

Standard Data Elements: Screen PN5501 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------------|-----|--------|---------|---|
| language_1c | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| language_2 | O | X(37) | L | If the second language left to display is English, display "Touch here to speak English". |
| language_2c | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| language_3 | O | X(37) | L | If the third language left to display is English, display "Touch here to speak English". |
| language_3c | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| language_4 | O | X(37) | L | If the fourth language left to display is English, display "Touch here to speak English". |
| language_4c | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| diff_language | O | X(37) | L | If the first language on the session list is English, display "A different language". |
| diff_language_c | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 2-1.

Comments: Each button contains two data elements. An X(37) variable (language_N) is displayed when the language to be displayed is a non-pictographic language. A C(17) variable (language_NC) is displayed when the language to be displayed is a pictographic (for example, Chinese) language.

STR 45217-S
STR 48537-S

Screen PN5502. Three+ Languages

```

11111111112222222222333333333334
1234567890123456789012345678901234567890
+-----+
1|XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX| 1 what_language_1
2|XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX| 2 what_language/what_language_c
3|                                     | 3
4|+-----+| 4
5|XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX| 5 language_1/language_1c
6|+-----+| 6
7|+-----+| 7
8|XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX| 8 language_2/language_2c
9|+-----+| 9
10|+-----+| 10
11|XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX| 11 language_3/language_3c
12|+-----+| 12
13|+-----+| 13
14|XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX| 14 diff_language/diff_language_c
15|+-----+| 15
16|                                     | 16
17|                                     | 17
18|                                     | 18
19|                                     | 19
20|                                     | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------------|-----|--------|---------|--|
| what_language_1 | O | X(37) | L | If the first language on the session list is English, leave blank. |
| what_language | O | X(37) | L | If the first language on the session list is English, display "Thanks. What language shall we speak?". |
| what_language_c | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| language_1 | O | X(37) | L | If the first language left to display is English, display "Touch here to speak English". |

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Standard Data Elements: Screen PN5502 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------------|-----|--------|---------|---|
| language_1c | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| language_2 | O | X(37) | L | If the second language left to display is English, display "Touch here to speak English". |
| language_2c | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| language_3 | O | X(37) | L | If the third language left to display is English, display "Touch here to speak English". |
| language_3c | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| diff_language | O | X(37) | L | If the first language on the session list is English, display "A different language". |
| diff_language_c | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 2-1.

Comments: Each button contains two data elements. An X(37) variable (language_N) is displayed when the language to be displayed is a non-pictographic language. A C(17) variable (language_NC) is displayed when the language to be displayed is a pictographic (for example, Chinese) language.

STR 45217-S
STR 48537-S

Screen PN5503. Two+ Languages

| | |
|--|--------------------------------------|
| 1111111111222222222233333333334 | |
| 1234567890123456789012345678901234567890 | |
| 1 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |
| 2 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |
| 3 | |
| 4 | |
| 5 | ----- |
| 6 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |
| 7 | ----- |
| 8 | |
| 9 | ----- |
| 10 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |
| 11 | ----- |
| 12 | |
| 13 | ----- |
| 14 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |
| 15 | ----- |
| 16 | |
| 17 | |
| 18 | |
| 19 | |
| 20 | |

1 what_language_1
 2 what_language/what_language_c
 3
 4
 5
 6 language_1/language_1c
 7
 8
 9
 10 language_2/language_2c
 11
 12
 13
 14 diff_language/diff_language_c
 15
 16
 17
 18
 19
 20

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------------|-----|--------|---------|--|
| what_language_1 | O | X(37) | L | If the first language on the session list is English, leave blank. |
| what_language | O | X(37) | L | If the first language on the session list is English, display "Thanks. What language shall we speak?". |
| what_language_c | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| language_1 | O | X(37) | L | If the first language left to display is English, display "Touch here to speak English". |
| language_1c | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

STR 45217-S

Standard Data Elements: Screen PN5503 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------------|-----|--------|---------|---|
| language_2 | O | X(37) | L | If the second language left to display is English, display "Touch here to speak English". |
| language_2c | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| diff_language | O | X(37) | L | If the first language on the session list is English, display "A different language". |
| diff_language_c | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 2-1.

Comments: Each button contains two data elements. An X(37) variable (language_N) is displayed when the language to be displayed is a non-pictographic language. A C(17) variable (language_NC) is displayed when the language to be displayed is a pictographic (for example, Chinese) language.

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STR 48537-S

Screen PN5504. One+ Language

| | |
|---|----------------------------------|
| 1111111111222222222233333333334 | |
| 1234567890123456789012345678901234567890 | |
| +-----+-----+ | |
| 1 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 1 what_language_1 |
| 2 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 2 what_language/what_language_c |
| 3 | 3 |
| 4 | 4 |
| 5 | 5 |
| 6 | 6 |
| 7 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 7 language_1/language_1c |
| 8 | 8 |
| 9 | 9 |
| 10 | 10 |
| 11 | 11 |
| 12 | 12 |
| 13 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 13 diff_language/diff_language_c |
| 14 | 14 |
| 15 | 15 |
| 16 | 16 |
| 17 | 17 |
| 18 | 18 |
| 19 | 19 |
| 20 | 20 |
| +-----+-----+ | |

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------------|-----|--------|---------|--|
| what_language_1 | O | X(37) | L | If the first language on the session list is English, leave blank. |
| what_language | O | X(37) | L | If the first language on the session list is English, display "Thanks. What language shall we speak?". |
| what_language_c | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| language_1 | O | X(37) | L | If the first language left to display is English, display "Touch here to speak English". |
| language_1c | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

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Standard Data Elements: Screen PN5504 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|----------|
|-----------|-----|--------|---------|----------|

| | | | | |
|-----------------|---|-------|---|---|
| diff_language | O | X(37) | L | If the first language on the session list is English, display "A different language". |
| diff_language_c | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 2-1.

Comments: Each button contains two data elements. An X(37) variable (language_N) is displayed when the language to be displayed is a non-pictographic language. A C(17) variable (language_NC) is displayed when the language to be displayed is pictographic.

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Screen PN5506. Two Choice Functional Menu

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1|                                     1|
2| What would you like to do?         2|
3|                                     3|
4|                                     4|
5|                                     5|
6| +-----+                         6|
7| |                                     7| See Comments Below
8| +-----+                         8|
9|                                     9|
10|                                    10|
11|                                    11|
12| +-----+                         12|
13| |                                     13| See Comments Below
14| +-----+                         14|
15|                                    15|
16|                                    16|
17|                                    17|
18|                                +-----+ 18|
19|                                | EXIT | 19|
20|                                +-----+ 20|
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|---------------------------|-----|--------|---------|---|
| buttonX_top (X=1-2) | O | X(29) | L | See Process PN5551 and Table 2-3 for text to display. |
| buttonX_cent (X=1-2) | O | X(29) | L | See Process PN5551 and Table 2-3 for text to display. |
| buttonX_bottom (X=1-2) | O | X(38) | L | See Process PN5551 and Table 2-3 for text to display. |

Screen Transition: See Figure 2-2 and Figure 2-12.

Comments: Three variables are displayed on each **Functional Menu** button.

The first variable is called buttonX_cent, where X is the **Functional Menu** button number. buttonX_cent is displayed in the 40 x 20 character font, vertically centered within the button, left justified.

```
+-----+
|XXXXXXXXXXXXXXXXXXXXXXXXXXXX|buttonX_cent
+-----+
```

The second variable is called buttonX_top, where X is the **Functional Menu** button number. buttonX_top is displayed in the 40 x 20 character font, on the top line of a two-line button, left justified.

The third variable is called buttonX_bottom, where X is the **Functional Menu** button number. buttonX_bottom is displayed in the 53 x 24 character font, on the bottom line of a two-line button, indented two characters.

```
+-----+
|XXXXXXXXXXXXXXXXXXXXXXXXXXXX|buttonX_top
|      XXXXXXXXXXXXXXXXXXXXXXX|buttonX_bottom
+-----+
```

Screen PN5507. Three Choice Functional Menu

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1|                                     |1
2| What would you like to do?         |2
3|                                     |3
4|                                     |4
5| +-----+                         |5
6| |                               | |6 See Comments on PN5506
7| +-----+                         |7
8|                                     |8
9| +-----+                         |9
10| |                               |10 See Comments on PN5506
11| +-----+                       |11
12|                                     |12
13| +-----+                       |13
14| |                               |14 See Comments on PN5506
15| +-----+                       |15
16|                                     |16
17|                                     |17
18|                                     |18
19|                                     |19
20|                                     |20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|---------------------------|-----|--------|---------|---|
| buttonX_top (X=1-3) | O | X(29) | L | See Process PN5551 and Table 2-3 for text to display. |
| buttonX_cent (X=1-3) | O | X(29) | L | See Process PN5551 and Table 2-3 for text to display. |
| buttonX_bottom (X=1-3) | O | X(38) | L | See Process PN5551 and Table 2-3 for text to display. |

Screen Transition: See Figure 2-2 and Figure 2-12.

Comments: See Comments on Screen PN5506.

Screen PN5508. Four Choice Functional Menu

```

11111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 | What would you like to do? | 1
2 | | 2
3 | | 3
4 | +-----+ | 4
5 | | 5 See Comments on PN5506
6 | +-----+ | 6
7 | +-----+ | 7
8 | | 8 See Comments on PN5506
9 | +-----+ | 9
10 | +-----+ | 10
11 | | 11 See Comments on PN5506
12 | +-----+ | 12
13 | +-----+ | 13
14 | | 14 See Comments on PN5506
15 | +-----+ | 15
16 | | 16
17 | | 17
18 | | 18
19 | | 19
20 | | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|---------------------------|-----|--------|---------|---|
| buttonX_top (X=1-4) | O | X(29) | L | See Process PN5551 and Table 2-3 for text to display. |
| buttonX_cent (X=1-4) | O | X(29) | L | See Process PN5551 and Table 2-3 for text to display. |
| buttonX_bottom (X=1-4) | O | X(38) | L | See Process PN5551 and Table 2-3 for text to display. |

Screen Transition: See Figure 2-2 and Figure 2-12.

Comments: See Comments on Screen PN5506.

Screen PN5509. Five Choice Functional Menu

| | |
|--|---------------------------|
| 111111111122222222223333333334 | |
| 1234567890123456789012345678901234567890 | |
| +-----+-----+ | |
| 1 | 1 |
| 2 What would you like to do? | 2 |
| 3 | 3 |
| 4 +-----+-----+ | 4 |
| 5 | 5 See Comments on PN5506 |
| 6 +-----+-----+ | 6 |
| 7 +-----+-----+ | 7 |
| 8 | 8 See Comments on PN5506 |
| 9 +-----+-----+ | 9 |
| 10 +-----+-----+ | 10 |
| 11 | 11 See Comments on PN5506 |
| 12 +-----+-----+ | 12 |
| 13 +-----+-----+ | 13 |
| 14 | 14 See Comments on PN5506 |
| 15 +-----+-----+ | 15 |
| 16 +-----+-----+ | 16 |
| 17 | 17 See Comments on PN5506 |
| 18 +-----+-----+ +-----+ | 18 |
| 19 EXIT | 19 |
| 20 +-----+-----+ | 20 |
| +-----+-----+ | |

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|---------------------------|-----|--------|---------|---|
| buttonX_top (X=1-4) | O | X(29) | L | See Process PN5551 and Table 2-3 for text to display. |
| buttonX_cent (X=1-4) | O | X(29) | L | See Process PN5551 and Table 2-3 for text to display. |
| buttonX_bottom (X=1-4) | O | X(38) | L | See Process PN5551 and Table 2-3 for text to display. |

Screen Transition: See Figure 2-12.

Comments: See Comments on Screen PN5506.

Screen PN5510. Can't Give Cash Right Now

```
1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 |                                     | 6
7 | I'm sorry. I can't give cash right | 7
8 | now.                               | 8
9 |                                     | 9
10|                                     | 10
11|                                     | 11
12|                                     | 12
13|                                     | 13
14|                                     | 14
15|                                     | 15
16|                                     | 16
17|                                     | 17
18|                                     | 18
19|                                     | 19
20|                                     | 20
+-----+
```

Screen Transition: See Figure 2-12.

Screen PN5512. Can't Do This Yet

```

      111111111122222222223333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 |                                     | 6
7 | I'm sorry.  I can't do this for you   | 7
8 | yet.                                       | 8
9 |                                           | 9
10|                                          | 10
11|                                          | 11
12|                                          | 12
13| May I help you with something else?    | 13
14|                                          | 14
15| +-----+               +-----+     | 15
16| | Yes   |             | No   |         | 16
17| +-----+               +-----+     | 17
18|                                                                | 18
19|                               +-----+ | 19
20|                               | EXIT |   | 20
                                +-----+
+-----+

```

Screen Transition: See Figure 2-3.

Screen PN5513. Printer Down (Continue)

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 |                                     | 6
7 | I'm sorry. I won't be able to give | 7
8 | you a record when you are finished. | 8
9 |                                     | 9
10 |                                    | 10
11 |                                    | 11
12 |                                    | 12
13 | Would you like to continue anyway? | 13
14 |                                    | 14
15 | +-----+          +-----+ | 15
16 | | Yes  |          | No  | | 16
17 | +-----+          +-----+ | 17
18 |                                     | 18
19 |                                     | 19
20 |                                     | 20
+-----+
      | EXIT |
+-----+
```

Screen Transition: See Figure 2-4.

Screen PN5514. Something Else

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 |                                     | 6
7 |                                     | 7
8 | May I help you with something else? | 8
9 |                                     | 9
10|                                     | 10
11|                                     | 11
12|                                     | 12
13|                                     | 13
14|                                     | 14
15| +-----+           +-----+ | 15
16| | Yes   |         | No   | | 16
17| +-----+           +-----+ | 17
18|                                     | 18
19|                                     | 19
20|                                     | 20
    +-----+             +-----+
                           | EXIT |

```

Screen Transition: See Figure 2-10.

Screen PN5515. Would You Like A Record

```
111111111122222222223333333334
1234567890123456789012345678901234567890

+-----+
1|                                     |1
2|                                     |2
3|                                     |3
4|                                     |4
5|                                     |5
6|                                     |6
7|                                     |7
8|                                     |8
9|      Would you like a record?      |9
10|                                     |10
11|                                     |11
12|                                     |12
13|                                     |13
14|                                     |14
15| +-----+           +-----+    |15
16| | Yes  |           | No  |        |16
17| +-----+           +-----+    |17
18|                                     |18
19|                                     |19
20|                                     |20
+-----+
      | EXIT |
+-----+
```

Screen Transition: See Figure 2-5.

Screen PN5516. Record Ready Shortly

```
111111111122222222223333333334
1234567890123456789012345678901234567890

+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 |                                     | 6
7 |                                     | 7
8 |                                     | 8
9 |                                     | 9
10 | Your record will be ready shortly. | 10
11 |                                     | 11
12 |                                     | 12
13 |                                     | 13
14 |                                     | 14
15 |                                     | 15
16 |                                     | 16
17 |                                     | 17
18 |                                     | 18
19 |                                     | 19
20 |                                     | 20
+-----+
```

Screen Transition: See Figure 2-5.

Screen PN5517. Thanks

```
1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1|                                     |1
2|                                     |2
3|                                     |3
4|                                     |4
5|                                     |5
6|                                     |6
7|                                     |7
8|                                     |8
9|                                     |9
10|      Thanks - It's always a      |10
11|      pleasure to serve you.      |11
12|                                   |12
13|                                   |13
14|                                   |14
15|                                   |15
16|                                   |16
17|                                   |17
18|                                   |18
19|                                   |19
20|                                   |20
+-----+
```

Screen Transition: See Figure 2-5.

Screen PN5518. Thanks, Take Record

1111111111222222222233333333334
1234567890123456789012345678901234567890

| | | |
|----|--------------------------------------|----|
| 1 | | 1 |
| 2 | | 2 |
| 3 | | 3 |
| 4 | | 4 |
| 5 | | 5 |
| 6 | | 6 |
| 7 | | 7 |
| 8 | Here is your record. | 8 |
| 9 | | 9 |
| 10 | Thanks. | 10 |
| 11 | | 11 |
| 12 | It's always a pleasure to serve you. | 12 |
| 13 | | 13 |
| 14 | | 14 |
| 15 | | 15 |
| 16 | | 16 |
| 17 | | 17 |
| 18 | | 18 |
| 19 | | 19 |
| 20 | | 20 |

Screen Transition: See Figure 2-6.

Screen PN5519. Can't Give Record Right Now

```
1111111111222222222233333333334 .  
1234567890123456789012345678901234567890  
+-----+  
1 |                                     | 1  
2 |                                     | 2  
3 |                                     | 3  
4 |                                     | 4  
5 |                                     | 5  
6 |                                     | 6  
7 |                                     | 7  
8 |                                     | 8  
9 | I'm sorry. I can't give you a record | 9  
10| right now, but this information will | 10  
11| appear on your next statement.       | 11  
12|                                     | 12  
13|                                     | 13  
14|                                     | 14  
15|                                     | 15  
16|                                     | 16  
17|                                     | 17  
18|                                     | 18  
19|                                     | 19  
20|                                     | 20  
+-----+
```

Screen Transition: See Figure 2-6.

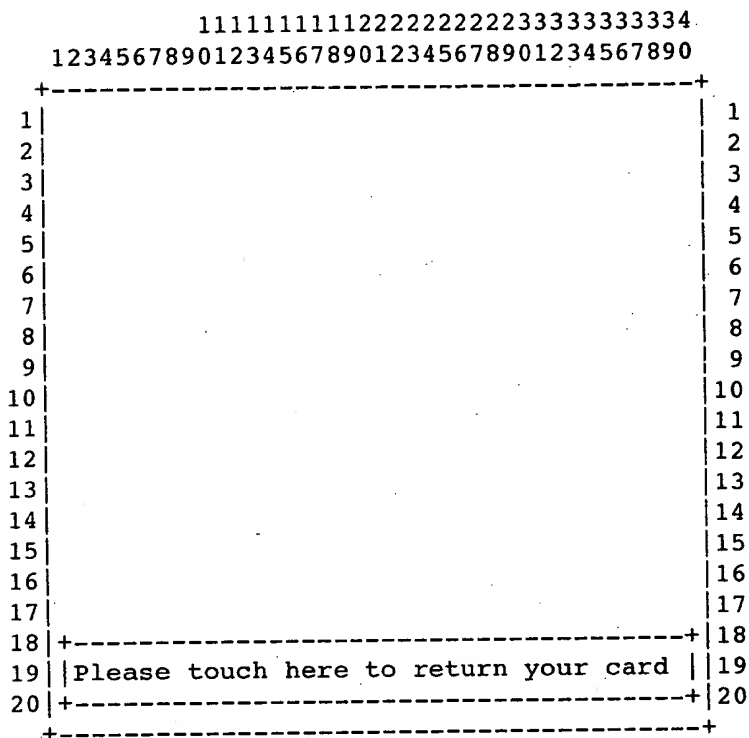
Overlay PN5521. Would You Like A Record

```
1111111111222222222233333333334
1234567890123456789012345678901234567890

+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 |                                     | 6
7 |                                     | 7
8 |                                     | 8
9 |                                     | 9
10 |                                    | 10
11 |                                    | 11
12 |                                    | 12
13 |                                    | 13
14 |                                    | 14
15 |                                    | 15
16 | Would you like a record?         | 16
17 |                                   | 17
18 | +-----+      +-----+      +-----+ | 18
19 | | Yes  |      | No   |      | EXIT | | 19
20 | +-----+      +-----+      +-----+ | 20
+-----+
```

Screen Transition: See Figure 2-7:

Overlay PN5522.Touch To Return Card



Screen Transition: See Figure 2-7.

Screen PN5523. Thanks - Take Card

1111111111222222222233333333334
1234567890123456789012345678901234567890

| | | |
|----|------------------------|----|
| 1 | | 1 |
| 2 | | 2 |
| 3 | | 3 |
| 4 | | 4 |
| 5 | | 5 |
| 6 | | 6 |
| 7 | | 7 |
| 8 | | 8 |
| 9 | | 9 |
| 10 | Thanks - It's always a | 10 |
| 11 | pleasure to serve you. | 11 |
| 12 | | 12 |
| 13 | | 13 |
| 14 | | 14 |
| 15 | | 15 |
| 16 | | 16 |
| 17 | | 17 |
| 18 | | 18 |
| 19 | Please take your card | 19 |
| 20 | | 20 |

Screen Transition: See Figure 2-5.

Screen PN5524. Thanks, Take Record, Take Card

```
1111111111222222222233333333334
123456789012345678901234567890
+-----+
1|                                     |1
2|                                     |2
3|                                     |3
4|                                     |4
5|                                     |5
6|                                     |6
7|                                     |7
8|      Here is your record.         |8
9|                                     |9
10|      Thanks.                     |10
11|                                     |11
12|      It's always a pleasure to   |12
13|      serve you.                  |13
14|                                     |14
15|                                     |15
16|                                     |16
17|                                     |17
18+-----+18
19|      Please take your card       |19
20+-----+20
+-----+
```

Screen Transition: See Figure 2-6.

Screen PN5525. Please Take Your Card

| | |
|--|----|
| 111111111122222222223333333334 | |
| 1234567890123456789012345678901234567890 | |
| 1 | 1 |
| 2 | 2 |
| 3 | 3 |
| 4 | 4 |
| 5 | 5 |
| 6 | 6 |
| 7 | 7 |
| 8 | 8 |
| 9 | 9 |
| 10 | 10 |
| 11 | 11 |
| 12 | 12 |
| 13 | 13 |
| 14 | 14 |
| 15 | 15 |
| 16 | 16 |
| 17 | 17 |
| 18 | 18 |
| 19 | 19 |
| 20 | 20 |

Please take your card.

Screen Transition: See Figure 2-7.

Overlay PN5526.Blank

| | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|
| 1111111111222222222233333333334 | | | | | | | | | | | | | | | | | | | |
| 1234567890123456789012345678901234567890 | | | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | | | 1 |
| 2 | | | | | | | | | | | | | | | | | | | 2 |
| 3 | | | | | | | | | | | | | | | | | | | 3 |
| 4 | | | | | | | | | | | | | | | | | | | 4 |
| 5 | | | | | | | | | | | | | | | | | | | 5 |
| 6 | | | | | | | | | | | | | | | | | | | 6 |
| 7 | | | | | | | | | | | | | | | | | | | 7 |
| 8 | | | | | | | | | | | | | | | | | | | 8 |
| 9 | | | | | | | | | | | | | | | | | | | 9 |
| 10 | | | | | | | | | | | | | | | | | | | 10 |
| 11 | | | | | | | | | | | | | | | | | | | 11 |
| 12 | | | | | | | | | | | | | | | | | | | 12 |
| 13 | | | | | | | | | | | | | | | | | | | 13 |
| 14 | | | | | | | | | | | | | | | | | | | 14 |
| 15 | | | | | | | | | | | | | | | | | | | 15 |
| 16 | | | | | | | | | | | | | | | | | | | 16 |
| 17 | | | | | | | | | | | | | | | | | | | 17 |
| 18 | | | | | | | | | | | | | | | | | | | 18 |
| 19 | | | | | | | | | | | | | | | | | | | 19 |
| 20 | | | | | | | | | | | | | | | | | | | 20 |

Screen Transition: See Figure 2-7.

Comments: Timeout is 12 seconds.

Screen PN5527. Exactly Four Languages

| | |
|---|---------------------------------|
| 1111111111222222222233333333334 | |
| 1234567890123456789012345678901234567890 | |
| 1 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 1 what_language_1 |
| 2 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 2 what_language/what_language_c |
| 3 | 3 |
| 4 ----- | 4 |
| 5 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 5 language_1/language_1c |
| 6 ----- | 6 |
| 7 ----- | 7 |
| 8 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 8 language_2/language_2c |
| 9 ----- | 9 |
| 10 ----- | 10 |
| 11 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 11 language_3/language_3c |
| 12 ----- | 12 |
| 13 ----- | 13 |
| 14 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 14 language_4/language_4c |
| 15 ----- | 15 |
| 16 | 16 |
| 17 | 17 |
| 18 | 18 |
| 19 | 19 |
| 20 | 20 |

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------------|-----|--------|---------|--|
| what_language_1 | O | X(37) | L | If the first language on the session list is English, leave blank. |
| what_language | O | X(37) | L | If the first language on the session list is English, display "Thanks. What language shall we speak?". |
| what_language_c | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| language_1 | O | X(37) | L | If the first language left to display is English, display "Touch here to speak English". |
| language_1c | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

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Standard Data Elements: Screen PN5527 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|---|
| language_2 | O | X(37) | L | If the second language left to display is English, display "Touch here to speak English". |
| language_2c | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| language_3 | O | X(37) | L | If the third language left to display is English, display "Touch here to speak English". |
| language_3c | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| language_4 | O | X(37) | L | If the fourth language left to display is English, display "Touch here to speak English". |
| language_4c | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 2-1.

Comments: Each button contains two data elements. An X(37) variable (language_N) is displayed when the language to be displayed is a non-pictographic language. A C(17) variable (language_NC) is displayed when the language to be displayed is pictographic.

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Screen PN5528. Exactly Three Languages

| | |
|--|--------------------------------------|
| 111111111122222222223333333334 | |
| 1234567890123456789012345678901234567890 | |
| 1 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |
| 2 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |
| 3 | |
| 4 | |
| 5 | +-----+ |
| 6 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |
| 7 | +-----+ |
| 8 | |
| 9 | +-----+ |
| 10 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |
| 11 | +-----+ |
| 12 | |
| 13 | +-----+ |
| 14 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |
| 15 | +-----+ |
| 16 | |
| 17 | |
| 18 | |
| 19 | |
| 20 | |

1 what_language_1
 2 what_language/what_language_c
 3
 4
 5
 6 language_1/language_1c
 7
 8
 9
 10 language_2/language_2c
 11
 12
 13
 14 language_3/language_3c
 15
 16
 17
 18
 19
 20

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------------|-----|--------|---------|--|
| what_language_1 | O | X(37) | L | If the first language on the session list is English, leave blank. |
| what_language | O | X(37) | L | If the first language on the session list is English, display "Thanks. What language shall we speak?". |
| what_language_c | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| language_1 | O | X(37) | L | If the first language left to display is English, display "Touch here to speak English". |
| language_1c | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

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Standard Data Elements: Screen PN5528 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|---|
| language_2 | O | X(37) | L | If the second language left to display is English, display "Touch here to speak English". |
| language_2c | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| language_3 | O | X(37) | L | If the third language left to display is English, display "Touch here to speak English". |
| language_3c | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 2-1.

Comments: Each button contains two data elements. An X(37) variable (language_N) is displayed when the language to be displayed is a non-pictographic language. A C(17) variable (language_NC) is displayed when the language to be displayed is pictographic.

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Screen PN5529. Exactly Two Languages

| | | |
|----|--------------------------------------|--|
| | | 1111111111222222222233333333334 |
| | | 1234567890123456789012345678901234567890 |
| 1 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 1 what_language_1 |
| 2 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 2 what_language/what_language_c |
| 3 | | 3 |
| 4 | | 4 |
| 5 | | 5 |
| 6 | | 6 |
| 7 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 7 language_1/language_1c |
| 8 | | 8 |
| 9 | | 9 |
| 10 | | 10 |
| 11 | | 11 |
| 12 | | 12 |
| 13 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 13 language_2/language_2c |
| 14 | | 14 |
| 15 | | 15 |
| 16 | | 16 |
| 17 | | 17 |
| 18 | | 18 |
| 19 | | 19 |
| 20 | | 20 |

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------------|-----|--------|---------|--|
| what_language_1 | O | X(37) | L | If the first language on the session list is English, leave blank. |
| what_language | O | X(37) | L | If the first language on the session list is English, display "Thanks. What language shall we speak?". |
| what_language_c | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| language_1 | O | X(37) | L | If the first language left to display is English, display "Touch here to speak English". |
| language_1c | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

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Standard Data Elements: Screen PN5529 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|---|
| language_2 | O | X(37) | L | If the second language left to display is English, display "Touch here to speak English". |
| language_2c | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 2-1.

Comments: Each button contains two data elements. An X(37) variable (language_N) is displayed when the language to be displayed is a non-pictographic language. A C(17) variable (language_NC) is displayed when the language to be displayed is pictographic.

STR 45217-S
STR 48537-S

Screen PN5530. Customer Service Phone Number

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 | Please call your local Customer   | 3
4 | Service. XXXXXXXXXXXXXXXXXXXX     | 4 phone_txt1
5 | XXXXXXXXXXXXXXXXXXXXXXXXXXXX      | 5 phone_txt2/phone_txt3
6 |                                     | 6
7 |             XXXXXXXXXXXXXXXXXXXX   | 7 cs_name
8 |             XXXXXXXXXXXXXXXXXXXX   | 8 phone_number
9 |                                     | 9
10 |                                     | 10
11 |                                     | 11
12 |                                     | 12
13 | May I help you with something else? | 13
14 |                                     | 14
15 | +-----+           +-----+     | 15
16 | | Yes |           | No |           | 16
17 | +-----+           +-----+     | 17
18 |                                     | 18
19 |                                     | 19
20 |                                     | 20
    |                                     |
    +-----+
    | EXIT |
    +-----+
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|--------|---------|---|
| phone_txt1 | O | X(20) | L | If the phone number can be called collect, display: "You may call collect". If the phone number cannot be called collect, display: "You may call them at". |
| phone_txt2 | O | X(24) | L | If the phone number can be called collect, display: "using this phone number:". If the phone number cannot be called collect, display: "this phone number:". |
| phone_txt3 | O | X(1) | L | If the phone number can be called collect, leave blank. If the phone number cannot be called collect, leave blank. |
| cs_name | O | X(25) | L | Display the name of the customer service associated with this card prefix. If no name is defined, leave blank. |

Standard Data Elements: Screen PN5530 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|--------------|-----|--------|---------|---|
| phone_number | O | X(25) | V | Display the customer service phone number associated with this card prefix. |

Screen Transition: See Figure 2-3.

Comments: A telephone number can be called collect only if the local configuration flag at the CAT (for whether collect calls are allowed out of the acquiring country) and the flag in the card prefix table entry from Message 4117 (for whether the phone number will accept collect calls) *both* indicate that collect calls are possible.

Screen PN5531. Can't Print Record - Off-Us

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 |                                     | 6
7 |                                     | 7
8 |                                     | 8
9 | I'm sorry.  I can't give you a record | 9
10| right now.                               |10
11|                                     |11
12|                                     |12
13|                                     |13
14|                                     |14
15|                                     |15
16|                                     |16
17|                                     |17
18|                                     |18
19|                                     |19
20|                                     |20
+-----+

```

Screen Transition: See Figure 2-6.

Screen PN5533. Card Expiration Month

```

1111111111222222222233333333334
123456789012345678901234567890
+-----+
1 |                                     | 1
2 | In what month does your card expire? | 2
3 |                                     | 3
4 |                                     | 4
5 | +-----+ +-----+ +-----+ | 5
6 | | January | | February | | March | | 6
7 | +-----+ +-----+ +-----+ | 7
8 | +-----+ +-----+ +-----+ | 8
9 | | April | | May | | June | | 9
10 | +-----+ +-----+ +-----+ | 10
11 | +-----+ +-----+ +-----+ | 11
12 | | July | | August | | September | | 12
13 | +-----+ +-----+ +-----+ | 13
14 | +-----+ +-----+ +-----+ | 14
15 | | October | | November | | December | | 15
16 | +-----+ +-----+ +-----+ | 16
17 |                                     | 17
18 |                                     | 18
19 |                                     | 19
20 |                                     | 20
+-----+

```

Screen Transition: See Figure 2-13.

Screen PN5534. Card Expiration Year

1111111111222222222233333333334
1234567890123456789012345678901234567890

| | | | | | |
|----|------------------------------------|---|---|--------------|-------------|
| 1 | | | | | 1 |
| 2 | Please tell me the year your card | | | | 2 |
| 3 | expires. Then touch ENTER . | | | | 3 |
| 4 | (Touch CLEAR to erase.) | | | | 4 |
| 5 | +-----+ | | | | 5 |
| 6 | | | | | 6 card_year |
| 7 | +-----+ | | | | 7 |
| 8 | | | | | 8 |
| 9 | 1 | 2 | 3 | | 9 |
| 10 | | | | | 10 |
| 11 | +-----+ | | | ENTER | 11 |
| 12 | | | | | 12 |
| 13 | 4 | 5 | 6 | | 13 |
| 14 | | | | | 14 |
| 15 | +-----+ | | | | 15 |
| 16 | | | | | 16 |
| 17 | 7 | 8 | 9 | CLEAR | 17 |
| 18 | +-----+ | | | | 18 |
| 19 | | 0 | | EXIT | 19 |
| 20 | +-----+ | | | | 20 |

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|---|
| card_year | I | 9(4) | L | Exactly four digits must be entered. As the number is entered, display the digits from left to right. |

Screen Transition: See Figure 2-13.

Screen PN5535. Invalid Date

```

111111111122222222223333333334
123456789012345678901234567890
+-----+
1 |                                     1
2 |                                     2
3 |                                     3
4 |                                     4
5 |                                     5
6 |                                     6
7 | I'm sorry. I don't understand that  7
8 | date.                               8
9 |                                     9
10 |                                    10
11 |                                    11
12 |                                    12
13 | Would you like to try again?       13
14 |                                    14
15 | +-----+           +-----+    15
16 | | Yes |           | No |         16
17 | +-----+           +-----+    17
18 |                                     18
19 |                                     19
20 |                                     20
+-----+

```

Screen Transition: See Figure 2-13.

Screen PN5536. Debit Card Main Menu - 5 Buttons

```
1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 | Which may I help you with in your | 1
2 | Citibank Account? | 2
3 | | 3
4 |-----+ | 4
5 | Checking or Current | 5
6 |-----+ | 6
7 |-----+ | 7
8 | Savings and Investments | 8
9 |-----+ | 9
10 |-----+ | 10
11 | Credit Cards | 11
12 |-----+ | 12
13 |-----+ | 13
14 | Loans and Other Credit | 14
15 |-----+ | 15
16 |-----+ | 16
17 | Customer Service | 17
18 |-----+ | 18
19 | | EXIT | 19
20 |-----+ | 20
+-----+
```

Screen Transition: See Figure 2-2.

STR 44412-S

Screen PN5537. Debit Card Main Menu - 4 Buttons

```

11111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1|                                     |1
2| Which may I help you with in your |2
3| Citibank Account?                 |3
4| +-----+                         |4
5| |Checking or Current               |5
6| +-----+                         |6
7| +-----+                         |7
8| |Savings and Investments           |8
9| +-----+                         |9
10| +-----+                       |10
11| |Credit Cards                    |11
12| +-----+                       |12
13| +-----+                       |13
14| |Loans and Other Credit           |14
15| +-----+                       |15
16|                                     |16
17|                                     |17
18|                                     |18
19|                                     |19
20|                                     |20
+-----+

```

Screen Transition: See Figure 2-2.

STR 44412-S

2.6 Processes

This section shows the Processes defined for Product Select.

PRC PN5550. Build Language List

1. If the prefix for this card was *not* in the ICC Language Table at the CAT, use the list of languages that has been designated for use by Off-Us cards at this CAT as the entire session list. Do *not* append any other languages to this list.
2. If the prefix for this card *was* in the ICC Language Table at the CAT:
 - a. Three lists of languages affect language selection:
 - i. The ICC Language Table list (the list of languages specified for this card prefix)
 - ii. The CAT list (the list of ICC languages that are available on the CAT)
 - iii. The session list (the list of languages that are actually presented for selection to the customer)
 - b. Look at the ICC Language Table entry for this card prefix list. The first language in the ICC Language Table entry is the preferred language. If the preferred language is available on the CAT list, make this language the first language on the session list. If the preferred language is *not* available on the CAT list, make English the first language on the session list.
 - c. Add any languages that both appear in the ICC Language Table entry and on the CAT list to the session list. Do *not* add any languages to the session list that have the same Base_Lang_Cde. Languages should be added in the order in which they occur in the ICC Language Table entry.
 - d. Add any languages that appear on the CAT list that have not yet been added to the session list. Do not add any languages to the session list that have the same Base_Lang_Cde as a language already on the session list. Languages should be added in the order in which they occur in the CAT list.

Screen Transition: See Figure 2-1.

PRC PN5551. Menu Decision

Summary: This process sets the variables that are to appear as choices on the Main Menu. For Debit Cards, these menus allow the customer to choose the function for the CA Category that he/she has picked. For Standalone Credit Cards, the customer can choose the function that they want for their card account. The variables are set based on what transactions are supported for:

1. The card being used
2. The Customer Activated Terminal type (for example, CAT vs. CASST)
3. The status of the cash dispenser
4. The status of the printer
5. Whether or not a printed record is queued (Off-Us cards only)
6. Whether or not a Customer Service phone number is available for this BIN.

See Table 2-1, Table 2-2 and Table 2-3 for the appropriate settings for these variables. The choices on the menu should appear in the order shown and with the text specified in Table 2-3.

Screen Transition: See Figure 2-2 and Figure 2-12.

PRC PN5552. Exit Decision

This process defines the standard exit processing to be used when a customer either presses the **EXIT** key or answers "No" to the "May I help you with something else?" question.

Screen Transition: See Figure 2-5.

PRC PN5553. Overlay Decision

Summary: This process has been defined to handle errors that terminate the session. Basically, when an error occurs that terminates a session, three exit states are possible:

1. A record is queued and must be offered to the customer.
2. No record is queued and the CAT has a dip reader.
3. No record is queued and the CAT has a transport reader.

To avoid having three versions of every error screen that terminates the session, this process was defined to overlay appropriate choices.

This process either: overlays the "Would you like a record?" question (for Case 1), overlays a blank screen with only a timeout defined (for Case 2), or overlays a "Touch here to return your card" button (for Case 3).

Screen Transition: See Figure 2-7.

PRC PN5554. Update ICC Language Table

The ICC Language Table at the CAT is used to select appropriate language choices to display at the CAT, for a card with a given card prefix. As changes are made to the BIN table at Citishare and distributed to the FEP, the responses to the CPT Entry Request message for a given card prefix may not match the values in that ICC Language Table entry at the CAT. In this case, the ICC Language Table at the CAT may need to be updated with the newer data from the response.

Whether or not to update the entry, and how to update the entry, is based on two pieces of information, whether or not the ICC Language Table entry matched at the CAT was an ICC entry (versus a catchall), and whether or not the response to the CPT Entry Request message from the FEP indicates that the card is an ICC card (versus Generic Off-Us, Local Off-Us, unsupported, and so on).

The following table shows the appropriate action to take in each possible case:

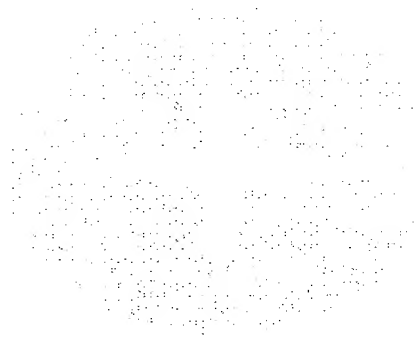
| Card Class in ICC Language Table | Card Class from SFS | Action |
|----------------------------------|---------------------|--|
| ICC | ICC | Update entry matched in ICC Language Table with any new values |
| ICC | non-ICC | Delete entry matched in ICC Language Table |
| non-ICC | ICC | Add new entry to ICC Language Table with data from response |

Screen Transition: See Figure 2-8.

PRC PN5555. Track 2 For PC CAT Cardless Access

| Element | | Description |
|---------|------------------------|-----------------|
| STX | Start Sentinel | BCD 11 |
| PAN | Primary Account Number | Up to 19 digits |
| FS | Separator | BCD 13 |
| ED | Expiration Date | YYMM |
| ETX | End Sentinel | BCD 15 |

PCR 44383-S



Chapter 3

Withdrawal

The Withdrawal application dispenses cash to the customer at his/her request for specific account types. This application may dispense up to four different currencies. The dispense currencies are a subset of those in Table 3-1.

When running on PC CAT, the Withdrawal application does not dispense cash. Instead, after obtaining authorization, it prints a withdrawal slip.

This chapter covers the following:

- Supported ESP Messages (Section 3.1)
- Processing Overview (Section 3.2)
- Flowcharts (Section 3.3)
- Special Tables (Section 3.4)
- Screens (Section 3.5)
- Processes (Section 3.6)

3.1 Supported ESP Messages

The Withdrawal application uses the following ESP messages:

| Message ID | Message Description |
|-------------|---|
| 4201 | Withdrawal Authorization Request |
| 4202 | Withdrawal Authorization Reversal Request |
| 4205 | Report a Dispense Failure |
| 4604/X11FC* | Profile with Balance/Citicard Summary |

NOTE

The Profile message is being sent in Product Select, and therefore does not appear in the flowcharts of this chapter. The responses, however, are handled throughout this chapter; and, therefore, the message is being included above.

The SFS Function Codes for these messages are determined from the Message ID and the SFS Function Code offset from Message 4117. For ICC, they are 4241, 4242, and 4245. For Off-Us, they are 4261, 4262, and 4265.

3.2 Processing Overview

The following provides the Withdrawal processing overview:

- Determine if the customer is using an ICC or Off-Us card. If it is an ICC card, allow the customer to choose the Product Category from which the money will be taken.
- For ICC cards, get the customer's profile.
Determine the accounts from which the customer can get cash based on the card BIN. If there is only one possible account type, then automatically set this account type as the withdrawal source. Otherwise, display a menu asking the customer to select one using the Account Resolver screens defined in Common Screens and Procedures.
- If more than one type of cash currency is dispensed by this CAT, display a menu asking the customer to select the type of cash he/she would like.
- Determine the appropriate withdrawal amounts to display on the amount selection screen. Amount selections are based on denominations available and on the currency code of the dispense currency. For PC CAT, display a keyboard with the currency code of the acquirer business' currency.
- Get the withdrawal amount.
- If not the first transaction of the session, reenter PIN.
- Send Withdrawal Authorization Request, and wait for response.
- If account currency and dispense currency are different, display equivalent transaction amounts (if available) and ask customer if he/she wants to continue.
- Count bills and dispense. For PC CAT, print a withdrawal slip. Handle any errors that occur accordingly.
- If cash is taken, queue a WN Transaction Record. Otherwise, recapture cash and send "Report a Dispenser Failure" message.
- Display an appropriate resulting balance screen based on the data returned in the authorization response.

3.3 Flowcharts

This section shows the flowcharts for the Withdrawal application.

Unless otherwise specified, pressing the **EXIT** key on any screen activates Process PN5552 in the Product Select application.

Similarly, a timeout transitions to the standard "Timeout" routine in Common Screens and Procedures.

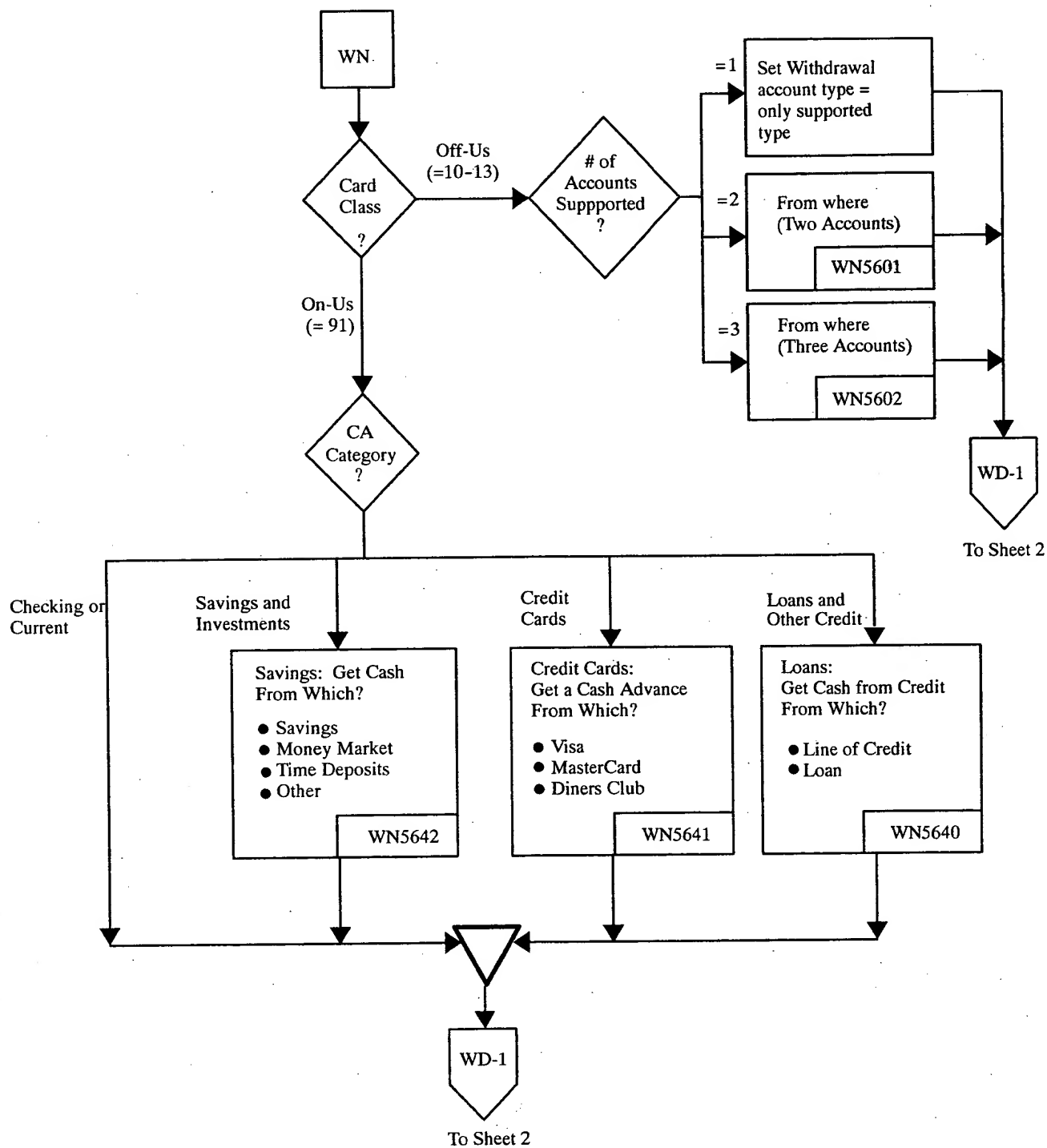


Figure 3-1. Category Menus to Choose Source Account
(Sheet 1 of 8)

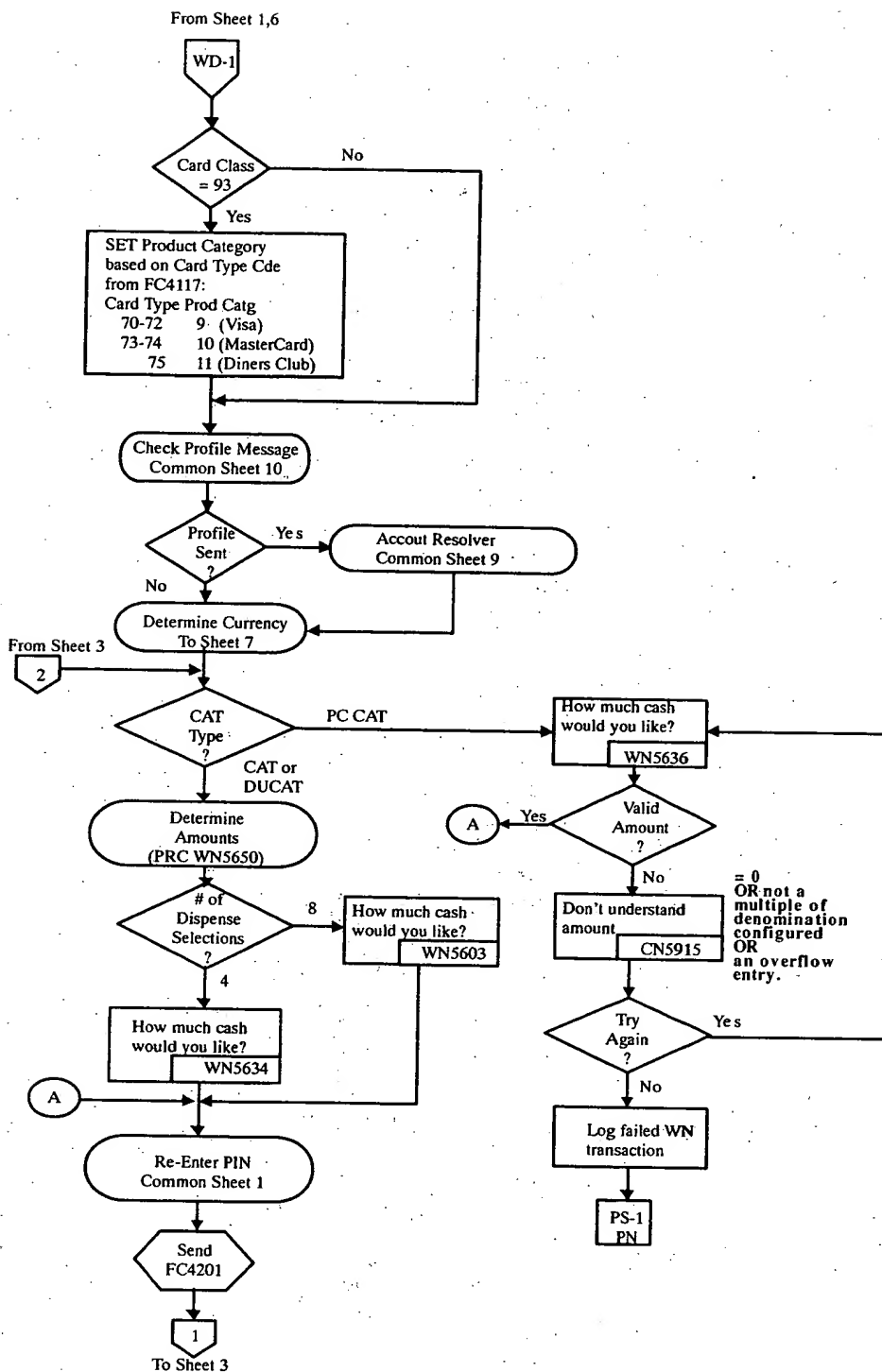


Figure 3-2. Get Cash (Sheet 2 of 8)

STR 44413-S
STR 46744-S

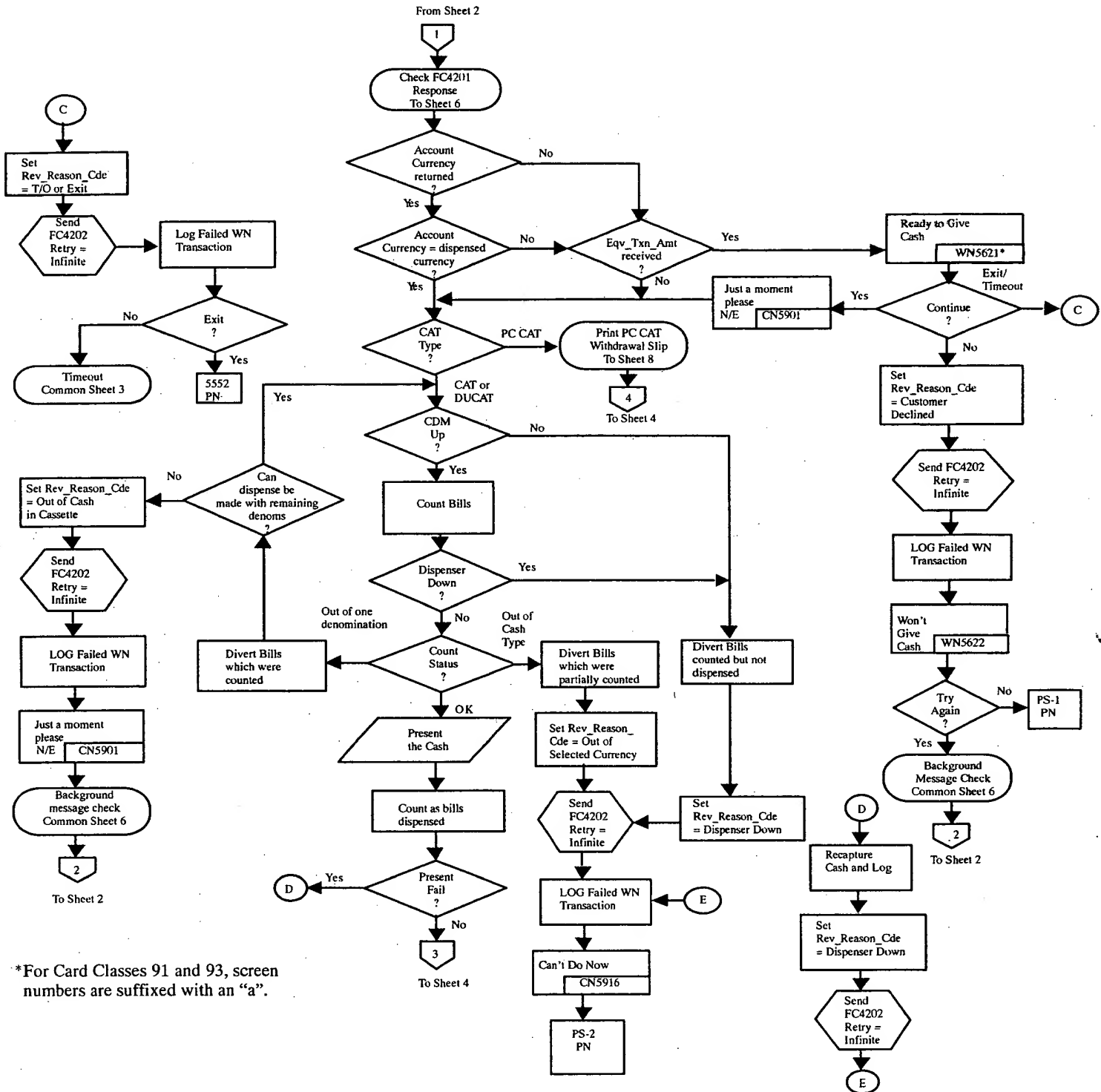
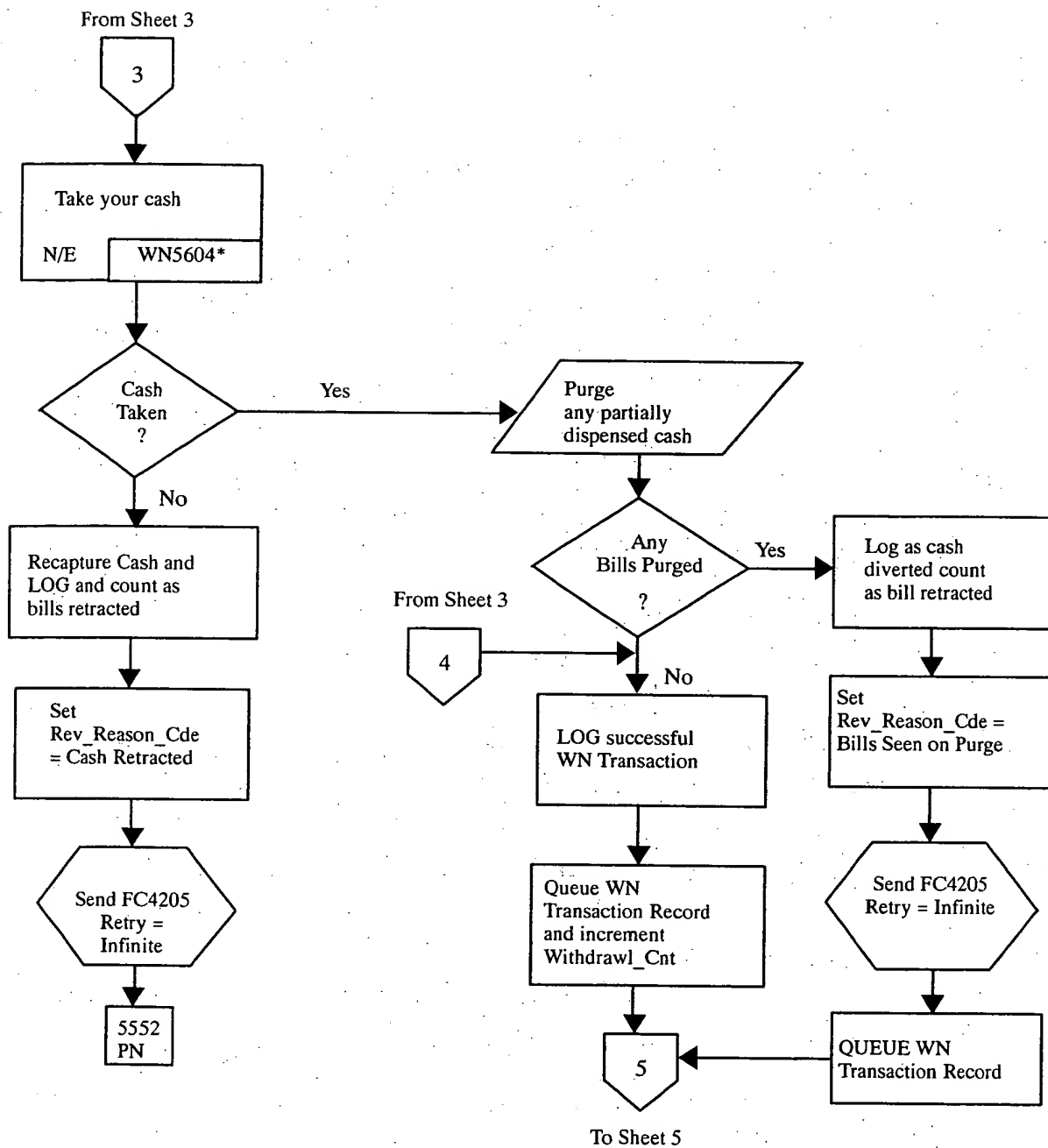


Figure 3-3. Confirm, Count, and Dispense (Sheet 3 of 8)

STR 44413-S
STR 45089-S



* For Card Classes 91 and 93, screen numbers are suffixed with an "a".

Figure 3-4. Present Cash (Sheet 4 of 8)

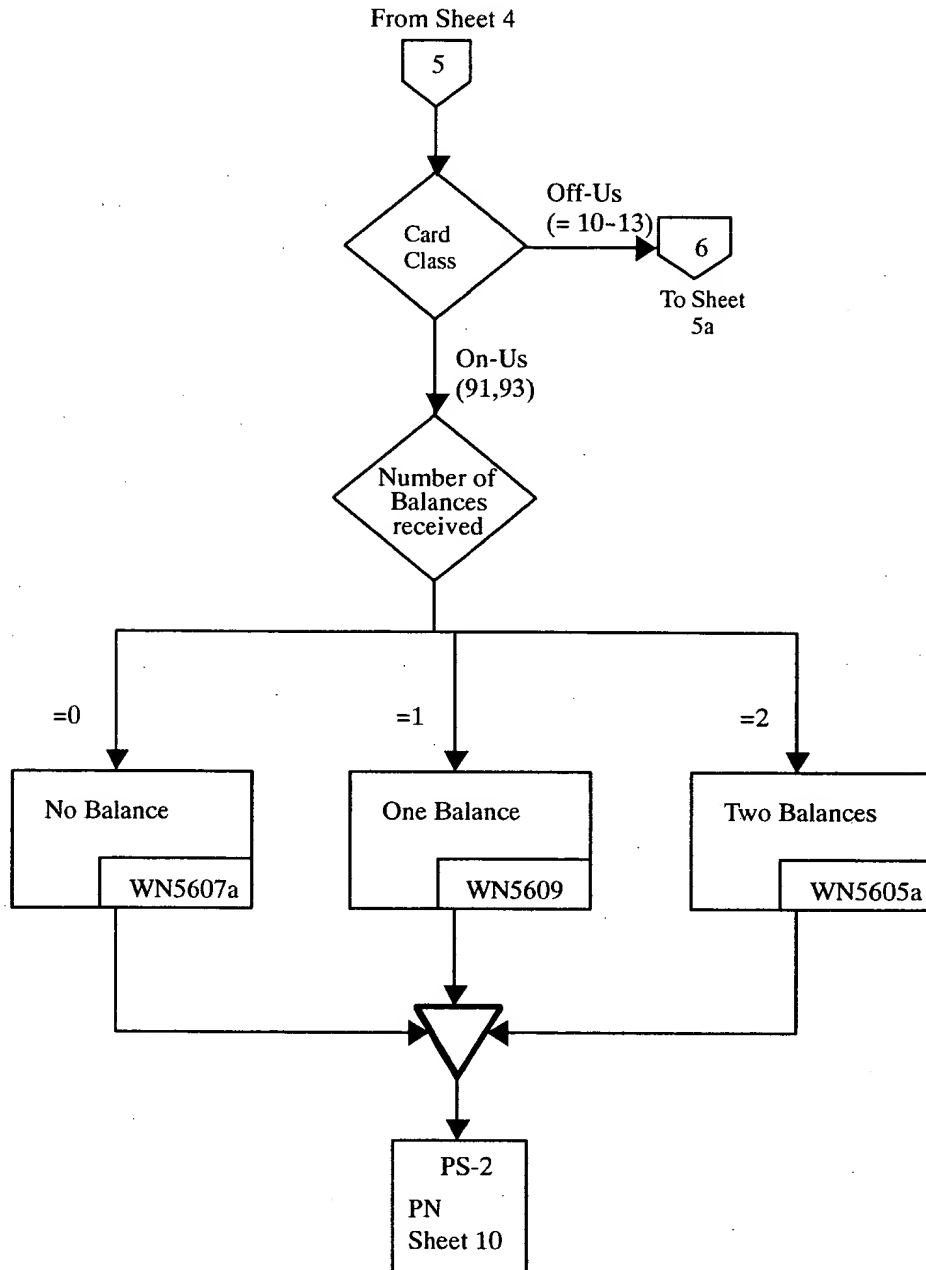


Figure 3-5. Display Resulting Balances (Sheet 5 of 8)

Withdrawal

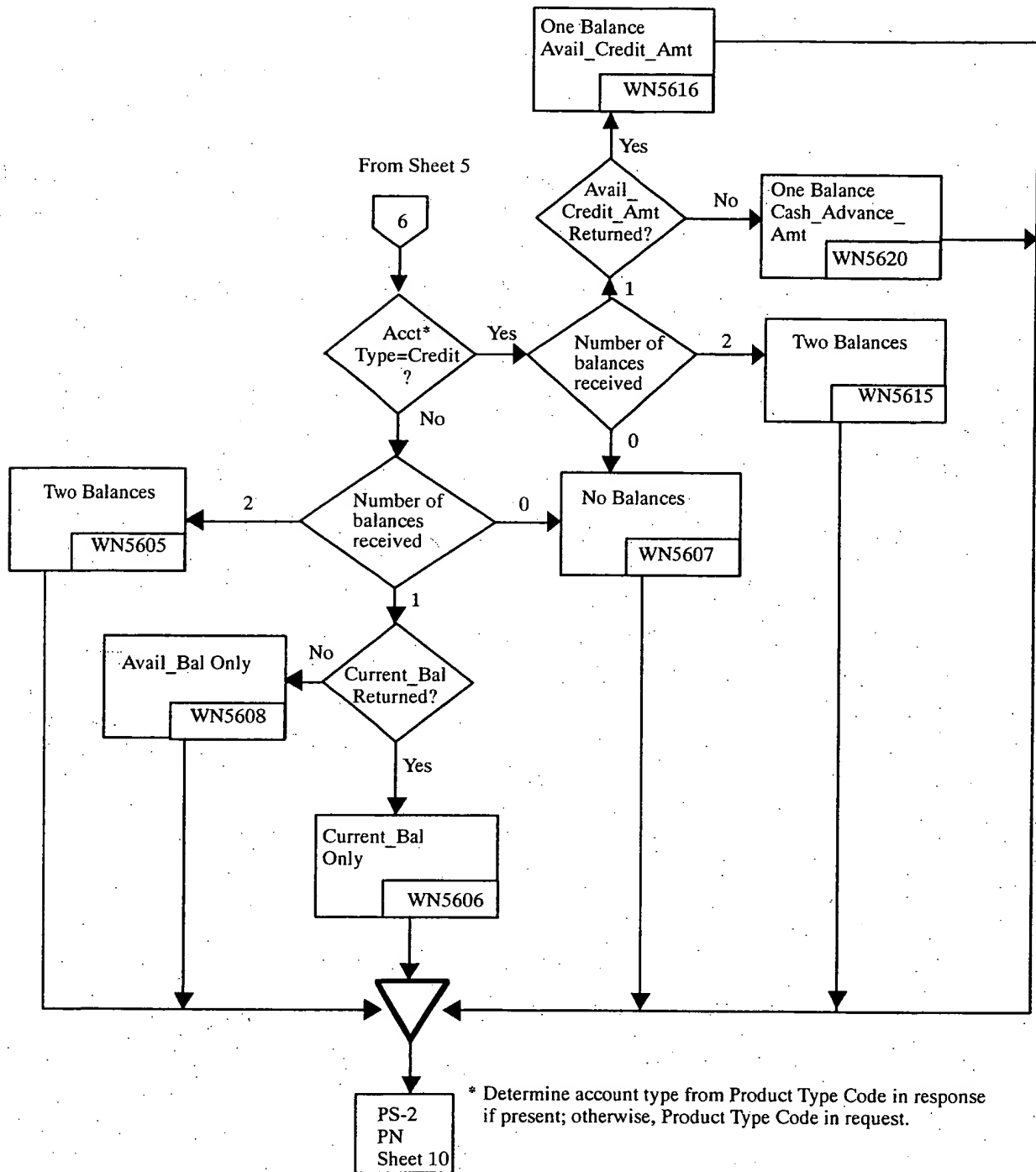


Figure 3-5. ICC Withdrawal Display Resulting Balance(s) (Sheet 5a of 8)

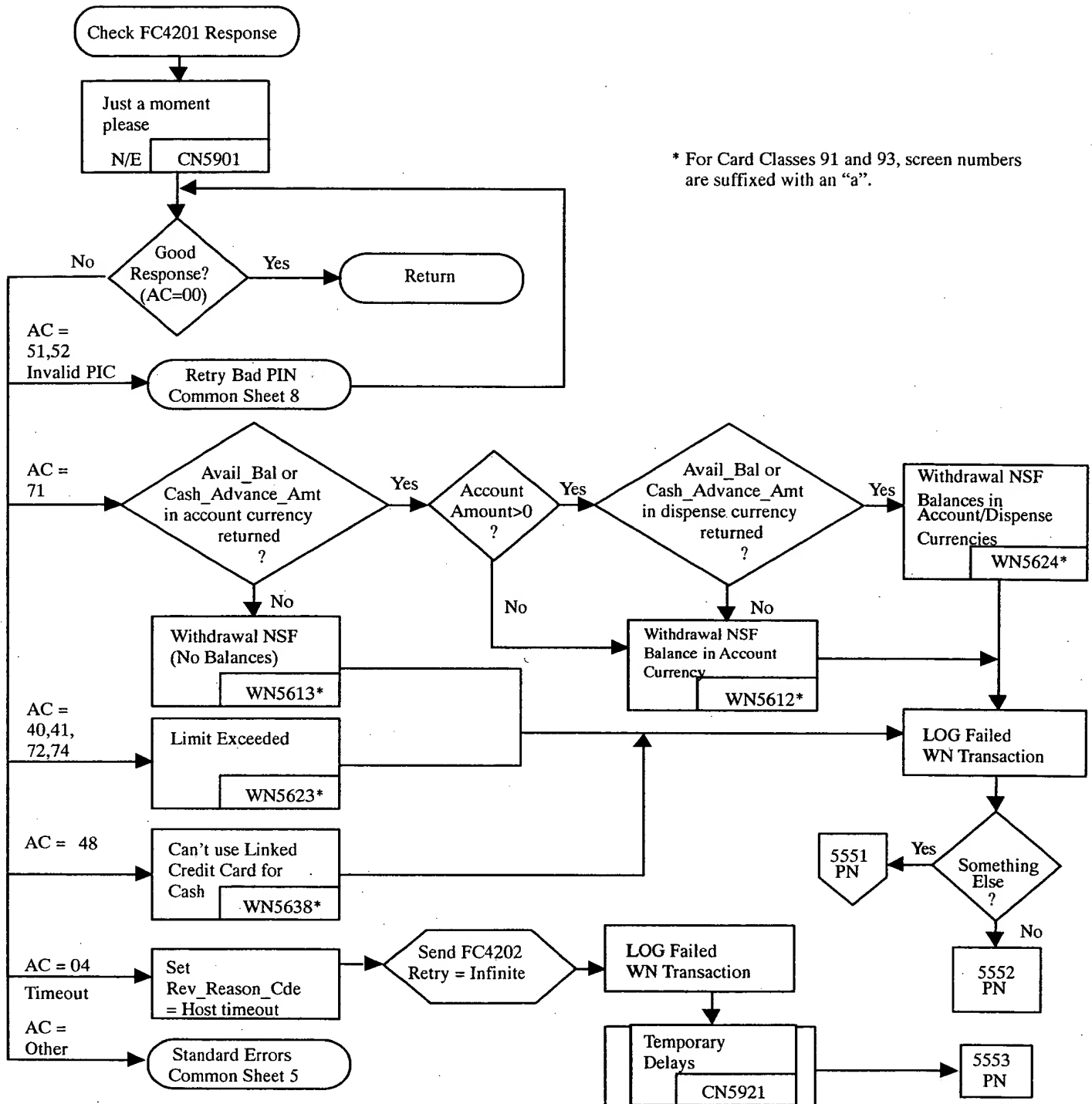


Figure 3-6. Check FC4201 Response (Sheet 6 of 8)

STR 44414-S

STR 45089-S

SCR 43743-S

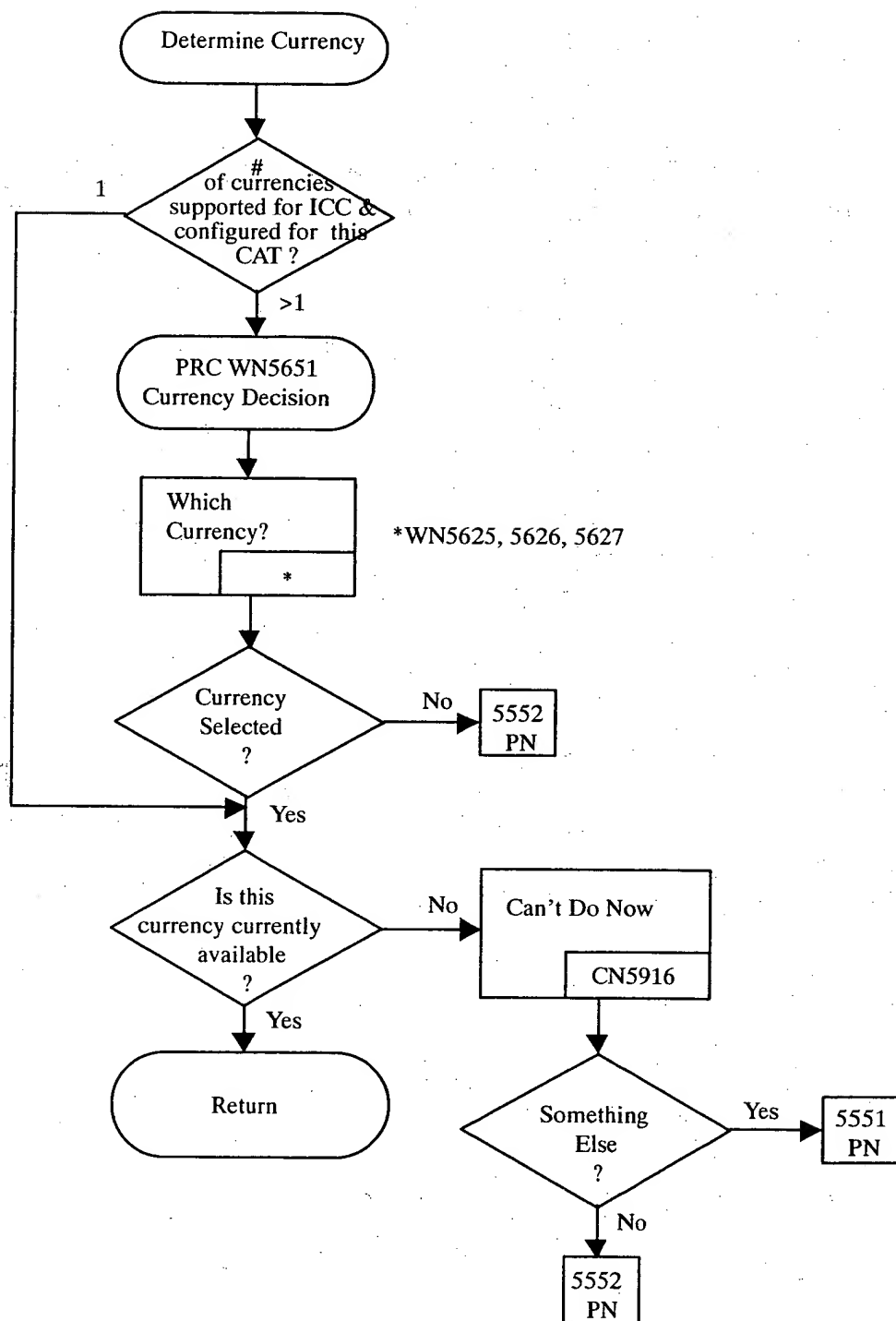


Figure 3-7. Determine Currency (Sheet 7 of 8)

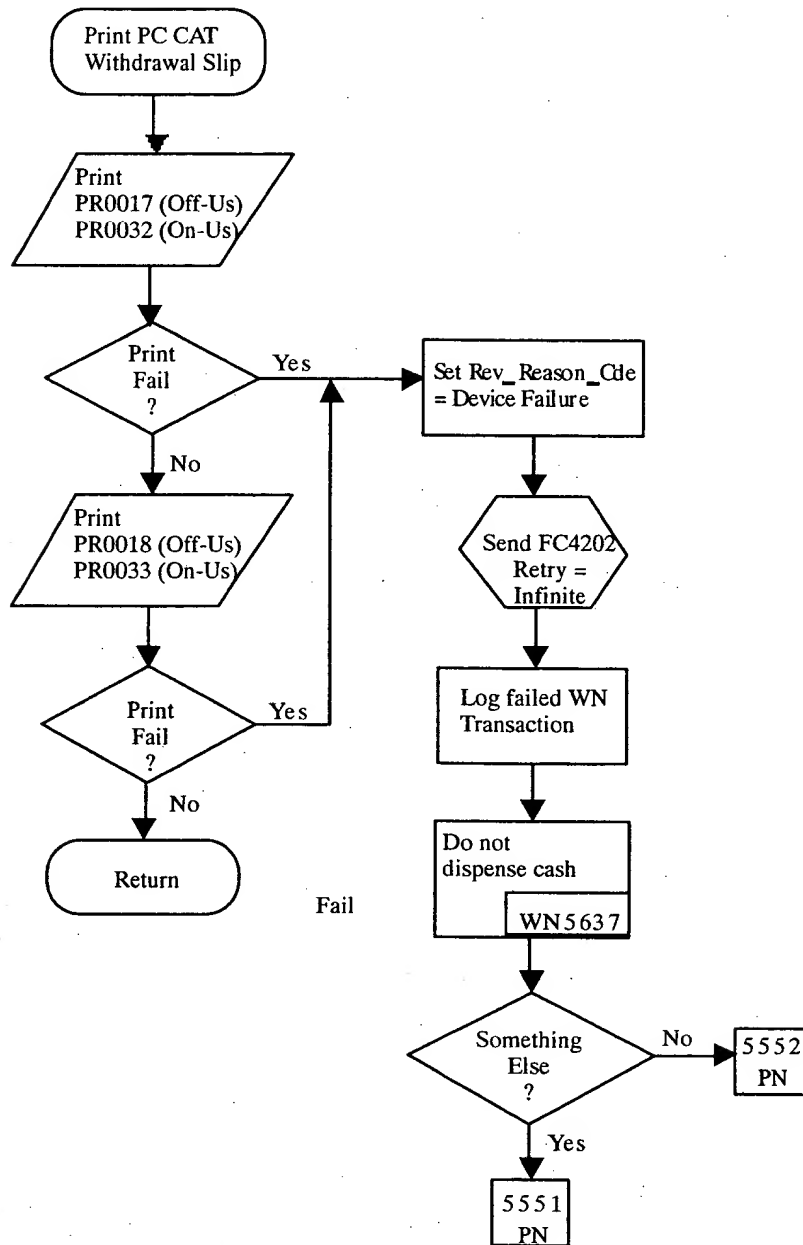


Figure 3-8. Print PC CAT Withdrawal Slip (Sheet 8 of 8)

STR 45089-S

3.4 Special Tables

Table 3-1 is the Cash Selection Table used by the Withdrawal application when more than one currency is dispensed by the same CAT.



Table 3-1. Cash Selection

| Currency | | Button Text Centered | Button Text Top Line | Button Text Bottom Line |
|----------|-------------------|-------------------------|-------------------------|------------------------------|
| USD | | | | |
| | Available | "U.S. Dollars" | <blank> | <blank> |
| | Not available now | <blank> | "U.S. Dollars" | "I can't do this right now." |
| SGD | | | | |
| | Available | "Singapore Dollars" | <blank> | <blank> |
| | Not available now | <blank> | "Singapore Dollars" | "I can't do this right now." |
| DEM | | | | |
| | Available | "Deutsche Marks" | <blank> | <blank> |
| | Not available now | <blank> | "Deutsche Marks" | "I can't do this right now." |
| CLP | | | | |
| | Available | "Chilean Pesos" | <blank> | <blank> |
| | Not available now | <blank> | "Chilean Pesos" | "I can't do this right now." |
| TWD | | | | |
| | Available | "New Taiwan Dollars" | <blank> | <blank> |
| | Not available now | <blank> | "New Taiwan Dollars" | "I can't do this right now." |
| GRD | | | | |
| | Available | "Greek Drachmas" | <blank> | <blank> |
| | Not available now | <blank> | "Greek Drachmas" | "I can't do this right now." |
| ITL | | | | |
| | Available | "Italian Lira" | <blank> | <blank> |
| | Not available now | <blank> | "Italian Lira" | "I can't do this right now." |
| KRW | | | | |
| | Available | "Korean Won" | <blank> | <blank> |
| | Not available now | <blank> | "Korean Won" | "I can't do this right now." |
| JPY | | | | |
| | Available | "Japanese Yen" | <blank> | <blank> |
| | Not available now | <blank> | "Japanese Yen" | "I can't do this right now." |

Table 3-1. Cash Selection (Cont)

| Currency | | Button Text Centered | Button Text Top Line | Button Text Bottom Line |
|----------|-------------------|-------------------------|-------------------------|------------------------------|
| AED | | | | |
| | Available | "Emirian Dirham" | <blank> | <blank> |
| | Not available now | <blank> | "Emirian Dirham" | "I can't do this right now." |
| CHF | | | | |
| | Available | "Swiss Francs" | <blank> | <blank> |
| | Not available now | <blank> | "Swiss Francs" | "I can't do this right now." |
| MYR | | | | |
| | Available | "Malaysian Ringgit" | <blank> | <blank> |
| | Not available now | <blank> | "Malaysian Ringgit" | "I can't do this right now." |
| NZD | | | | |
| | Available | "New Zealand Dollars" | <blank> | <blank> |
| | Not available now | <blank> | "New Zealand Dollars" | "I can't do this right now." |
| AUD | | | | |
| | Available | "Australian Dollars" | <blank> | <blank> |
| | Not available now | <blank> | "Australian Dollars" | "I can't do this right now." |
| CAD | | | | |
| | Available | "Canadian Dollars" | <blank> | <blank> |
| | Not available now | <blank> | "Canadian Dollars" | "I can't do this right now." |
| GBP | | | | |
| | Available | "British Pounds" | <blank> | <blank> |
| | Not available now | <blank> | "British Pounds" | "I can't do this right now." |
| BEF | | | | |
| | Available | "Belgian Francs" | <blank> | <blank> |
| | Not available now | <blank> | "Belgian Francs" | "I can't do this right now." |
| ATS | | | | |
| | Available | "Austrian Schillings" | <blank> | <blank> |
| | Not available now | <blank> | "Austrian Schillings" | "I can't do this right now." |

Table 3-1. Cash Selection (Cont)

| Currency | | Button Text Centered | Button Text Top Line | Button Text Bottom Line |
|----------|-------------------|-------------------------|-------------------------|------------------------------|
| DKK | | | | |
| | Available | "Danish Kroner" | <blank> | <blank> |
| | Not available now | <blank> | "Danish Kroner" | "I can't do this right now." |
| FIM | | | | |
| | Available | "Finnish Markkas" | <blank> | <blank> |
| | Not available now | <blank> | "Finnish Markkas" | "I can't do this right now." |
| HKD | | | | |
| | Available | "Hong Kong Dollars" | <blank> | <blank> |
| | Not available now | <blank> | "Hong Kong Dollars" | "I can't do this right now." |
| IEP | | | | |
| | Available | "Irish Pounds" | <blank> | <blank> |
| | Not available now | <blank> | "Irish Pounds" | "I can't do this right now." |
| LUF | | | | |
| | Available | "Luxembourg Francs" | <blank> | <blank> |
| | Not available now | <blank> | "Luxembourg Francs" | "I can't do this right now." |
| NLG | | | | |
| | Available | "Dutch Guilders" | <blank> | <blank> |
| | Not available now | <blank> | "Dutch Guilders" | "I can't do this right now." |
| NOK | | | | |
| | Available | "Norwegian Kroner" | <blank> | <blank> |
| | Not available now | <blank> | "Norwegian Kroner" | "I can't do this right now." |
| PTE | | | | |
| | Available | "Portuguese Escudos" | <blank> | <blank> |
| | Not available now | <blank> | "Portuguese Escudos" | "I can't do this right now." |
| ESP | | | | |
| | Available | "Spanish Pesetas" | <blank> | <blank> |
| | Not available now | <blank> | "Spanish Pesetas" | "I can't do this right now." |

Table 3-1. Cash Selection (Cont)

| Currency | | Button Text Centered | Button Text Top Line | Button Text Bottom Line |
|----------|-------------------|-------------------------|-------------------------|------------------------------|
| SEK | | | | |
| | Available | "Swedish Kronas" | <blank> | <blank> |
| | Not available now | <blank> | "Swedish Kronas" | "I can't do this right now." |
| FRF | | | | |
| | Available | "French Francs" | <blank> | <blank> |
| | Not available now | <blank> | "French Francs" | "I can't do this right now." |
| BSD | | | | |
| | Available | "Bahamian Dollars" | <blank> | <blank> |
| | Not available now | <blank> | "Bahamian Dollars" | "I can't do this right now." |
| ARA | | | | |
| | Available | "Argentinian Pesos" | <blank> | <blank> |
| | Not available now | <blank> | "Argentinian Pesos" | "I can't do this right now." |
| INR | | | | |
| | Available | "Indian Rupee" | <blank> | <blank> |
| | Not available now | <blank> | "Indian Rupee" | "I can't do this right now." |
| IDR | | | | |
| | Available | "Rupiah" | <blank> | <blank> |
| | Not available now | <blank> | "Rupiah" | "I can't do this right now." |
| MXP | | | | |
| | Available | "Mexican Pesos" | <blank> | <blank> |
| | Not available now | <blank> | "Mexican Pesos" | "I can't do this right now." |
| PHP | | | | |
| | Available | "Philippine Pesos" | <blank> | <blank> |
| | Not available now | <blank> | "Philippine Pesos" | "I can't do this right now." |
| SAR | | | | |
| | Available | "Saudi Riyal" | <blank> | <blank> |
| | Not available now | <blank> | "Saudi Riyal" | "I can't do this right now." |

Table 3-1. Cash Selection (Cont)

| Currency | | Button Text Centered | Button Text Top Line | Button Text Bottom Line |
|----------|-------------------|-------------------------|-------------------------|------------------------------|
| THB | | | | |
| | Available | "Thai Baht" | <blank> | <blank> |
| | Not available now | <blank> | "Thai Baht" | "I can't do this right now." |
| PAB | | | | |
| | Available | "Panamanian Balboas" | <blank> | <blank> |
| | Not available now | <blank> | "Panamanian Balboas" | "I can't do this right now." |
| CYP | | | | |
| | Available | "Cyprus Pounds" | <blank> | <blank> |
| | Not available now | <blank> | "Cyprus Pounds" | "I can't do this right now." |
| VEB | | | | |
| | Available | "Bolivares" | <blank> | <blank> |
| | Not available now | <blank> | "Bolivares" | "I can't do this right now." |
| MXN | | | | |
| | Available | "Mexican New Pesos" | <blank> | <blank> |
| | Not available now | <blank> | "Mexican New Pesos" | "I can't do this right now." |
| COP | | | | |
| | Available | "Colombian Pesos" | <blank> | <blank> |
| | Not available now | <blank> | "Colombian Pesos" | "I can't do this right now." |
| BHD | | | | |
| | Available | "Bahraini Dinar" | <blank> | <blank> |
| | Not available now | <blank> | "Bahraini Dinar" | "I can't do this right now." |
| BND | | | | |
| | Available | "Bruneian Dollars" | <blank> | <blank> |
| | Not available now | <blank> | "Bruneian Dollars" | "I can't do this right now." |
| BUK | | | | |
| | Available | "Myanmar Kyat" | <blank> | <blank> |
| | Not available now | <blank> | "Myanmar Kyat" | "I can't do this right now." |

Table 3-1. Cash Selection (Cont)

| Currency | | Button Text Centered | Button Text Top Line | Button Text Bottom Line |
|----------|-------------------|-------------------------|-------------------------|------------------------------|
| HUF | | | | |
| | Available | "Hungarian Forint" | <blank> | <blank> |
| | Not available now | <blank> | "Hungarian Forint" | "I can't do this right now." |
| CNY | | | | |
| | Available | "Chinese Renminbi" | <blank> | <blank> |
| | Not available now | <blank> | "Chinese Renminbi" | "I can't do this right now." |
| ARP | | | | |
| | Available | "Argentinian Pesos" | <blank> | <blank> |
| | Not available now | <blank> | "Argentinian Pesos" | "I can't do this right now." |
| ARS | | | | |
| | Available | "Argentinian Pesos" | <blank> | <blank> |
| | Not available now | <blank> | "Argentinian Pesos" | "I can't do this right now." |
| BRL | | | | |
| | Available | "Brazilian Reals" | <blank> | <blank> |
| | Not available now | <blank> | "Brazilian Reals" | "I can't do this right now." |
| CZK | | | | |
| | Available | "Czech Korunas" | <blank> | <blank> |
| | Not available now | <blank> | "Czech Korunas" | "I can't do this right now." |
| OMR | | | | |
| | Available | "Omani Rials" | <blank> | <blank> |
| | Not available now | <blank> | "Omani Rials" | "I can't do this right now." |
| PKR | | | | |
| | Available | "Pakistan Rupees" | <blank> | <blank> |
| | Not available now | <blank> | "Pakistan Rupees" | "I can't do this right now." |
| PLZ | | | | |
| | Available | "Polish Zlotys" | <blank> | <blank> |
| | Not available now | <blank> | "Polish Zlotys" | "I can't do this right now." |

Table 3-1. Cash Selection (Cont)

| Currency | | Button Text Centered | Button Text Top Line | Button Text Bottom Line |
|----------|-------------------|-------------------------|-------------------------|---------------------------------|
| BRC | | | | |
| | Available | "Brazilian Reals" | <blank> | <blank> |
| | Not available now | <blank> | "Brazilian Reals" | "I can't do this right now." |

3.5 Screens

This section shows the screens and standard data elements for the Withdrawal application.

Screen WN5601. From Where (Two Accounts)

```

      1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 | Where shall I get your cash?       | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 | +-----+                         | 6
7 | |XXXXXXXXXXXXXXXXXXXXX|          | 7 acct_desc1
8 | +-----+                         | 8
9 |                                     | 9
10|                                     | 10
11|                                     | 11
12| +-----+                         | 12
13| |XXXXXXXXXXXXXXXXXXXXX|          | 13 acct_desc1
14| +-----+                         | 14
15|                                     | 15
16|                                     | 16
17|                                     | 17
18|                                     | 18
19|                                     | 19
20|                                     | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|---------------------|-----|--------|---------|--|
| acct_desc1 (1-2) | O | X(18) | L | Display one of the following, based on the Product Type Code of the withdrawal account supported: 001 - "From Checking" 004 - "From Savings" 014 - "Borrow from Credit" |

Screen Transition: See Figure 3-1.

Comments: Display accounts in the following order: Checking, Savings, Credit.

The list of appropriate Product Type Codes comes from the Transaction Support Specification element of the response to Message 4117 for the withdrawal transaction.

Screen WN5602. From Where (Three Accounts)

```
111111111122222222223333333334
1234567890123456789012345678901234567890

+-----+
1 |                                     | 1
2 | Where shall I get your cash?      | 2
3 |                                     | 3
4 |                                     | 4
5 | +-----+                         | 5
6 | From Checking                     | 6
7 | +-----+                         | 7
8 |                                     | 8
9 | +-----+                         | 9
10 | From Savings                     | 10
11 | +-----+                         | 11
12 |                                     | 12
13 | +-----+                         | 13
14 | Borrow from Credit               | 14
15 | +-----+                         | 15
16 |                                     | 16
17 |                                     | 17
18 |                                     | 18
19 |                                     | 19
20 |                                     | 20
+-----+
    +-----+
    | EXIT |
    +-----+
```

Screen Transition: See Figure 3-1.

Comments: The list of appropriate Product Type Codes comes from the Transaction Support Specification element of the response to Message 4117 for the withdrawal transaction.

Screen WN5603. How Much Cash Would You Like

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx| 1 See below
2 | How much cash would you like?                                | 2
3 |                                                                | 3
4 | +-----+ +-----+ | 4
5 | |xxxxxxxxxxxxxxxxxxxx| |xxxxxxxxxxxxxxxxxxxx| 5 amt1/amt2
6 | +-----+ +-----+ | 6
7 | +-----+ +-----+ | 7
8 | |xxxxxxxxxxxxxxxxxxxx| |xxxxxxxxxxxxxxxxxxxx| 8 amt3/amt4
9 | +-----+ +-----+ | 9
10 | +-----+ +-----+ | 10
11 | |xxxxxxxxxxxxxxxxxxxx| |xxxxxxxxxxxxxxxxxxxx| 11 amt5/amt6
12 | +-----+ +-----+ | 12
13 | +-----+ +-----+ | 13
14 | |xxxxxxxxxxxxxxxxxxxx| |xxxxxxxxxxxxxxxxxxxx| 14 amt7/amt8
15 | +-----+ +-----+ | 15
16 |                                                                | 16
17 |                                                                | 17
18 |                                                                | 18
19 |                                                                | 19
20 |                                                                | 20
+-----+

```

Variables: Line 1: alt_txt1/alt_amt1/alt_txt2 OR
alt_txt3/alt_amt2/alt_txt4/alt_amt3/alt_txt5

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|----------|---------|---|
| alt_txt1 | O | X(12) | V | Display one of the following: - "I only have " - "I'm out of " - blanks. |
| alt_amt1 | O | X(15) /W | V | See Comments. |
| alt_txt2 | O | X(7) | V | Display "bills." or leave blank. |
| alt_txt3 | O | X(7) | V | Display "I have " or leave blank. |
| alt_amt2 | O | X(15) /W | V | See Comments. |
| alt_txt4 | O | X(5) | V | Display " and " or leave blank. |

STR 46565-S

Standard Data Elements: Screen WN5603 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------------|-----|----------|---------|---|
| alt_amt3 | O | X(15) /W | V | See Comments. |
| alt_txt5 | O | X(7) | V | Display "bills." or leave blank. |
| amtn (n=1-8) | O | X(15) | C | Display the amounts (and associated currency descriptors of the amounts) available, which were set in Process WN5650. |

Screen Transition: See Figure 3-2.

Comments: If the CAT has all bill denominations for the dispense currency and type, leave blank.

Otherwise, display one of the following based on the number of different denominations normally available, and the current cassette status.

| # Denoms Normally Available | # Denoms Currently Available | "alt_txt" to Display |
|-----------------------------|------------------------------|--|
| 4 denoms | 3 denoms | "I'm out of X(15) bills." where X(15) is the currency descriptor and denomination of the bill that has run out. |
| 4 denoms | 2 denoms | "I have X(15) and X(15) bills." where X(15) and X(15) are the currency descriptors and denominations of the remaining bills. Note: For some languages, it is possible that this phrase would exceed 51 characters. If this occurs, the whole phrase should be left blank. |
| 4 denoms | 1 denom | "I only have X(15) bills." where X(15) is the currency descriptor and denomination of the remaining bill. |
| 3 denoms | 2 denoms | "I'm out of X(15) bills." (See 4/3 case above). |
| 3 denoms | 1 denom | "I only have X(15) bills." (See 4/1 case above). |
| 2 denoms | 1 denom | "I only have X(15) bills." (See 4/1 case above). |

The way the variables have been defined for this screen, display either alt_txt1, alt_amt, and alt_txt2 or alt_txt3, alt_amt2, alt_txt4, and alt_amt3, alt_txt5 depending upon the bills available.

Messages to/from ESPs: If PIN reentry is not required because this is the first transaction of the session, send FC4201.

STR 46565-S

Screen WN5604. Take Your Cash - Off-Us

```

111111111122222222223333333334
123456789012345678901234567890
+-----+
1 | I've just given you XXXXXXXXXXXXXXXX | 1
2 | from XXXXXXXX. | 2 withd_amt
3 | | 3 offus_acct_desc2
4 | | 4
5 | Your cash is in the opening XXXXX. | 5 slot_dir
6 | Please take it. | 6
7 | | 7
8 | | 8
9 | | 9
10 | | 10
11 | | 11
12 | | 12
13 | | 13
14 | | 14
15 | | 15
16 | | 16
17 | | 17
18 | | 18
19 | | 19
20 | | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------------|-----|-----------|---------|---|
| withd_amt | O | X(15) / W | V | Display the amount of the withdrawal. Format the amount based on the currency code of the bills dispensed. |
| offus_acct_desc2 | O | X(8) | V | Display one of the following: 001 - "Checking" 004 - "Savings" 014 - "Credit" based on the optional Product Type Code element returned in the response to FC4201, if present, or otherwise based on the Product Type Code in the request. |

STR 45089-S

STR 48212-S

Standard Data Elements: Screen WN5604 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|--|
| slot_dir | O | X(5) | V | Display one of the following based on the type of CAT 2 hardware being used: - DUCAT: "below" - CAT: "above" |

Screen Transition: See Figure 3-4.

Screen WN5604a. Take Your Cash - On-Us

```

111111111122222222223333333334
1234567890123456789012345678901234567890
+-----+
1 | I've just given you XXXXXXXXXXXXXXXX | 1 | withd_amt
2 | from XXXXXXXXXXXXXXXXXXXX           | 2 | acct_desc2
3 | XXXXXXXXXXXXXXXXXXXXXXXX.           | 3 | acct_no2
4 |                                     | 4 |
5 | Your cash is in the opening XXXXX.   | 5 | slot_dir
6 | Please take it.                     | 6 |
7 |                                     | 7 |
8 |                                     | 8 |
9 |                                     | 9 |
10|                                     | 10|
11|                                     | 11|
12|                                     | 12|
13|                                     | 13|
14|                                     | 14|
15|                                     | 15|
16|                                     | 16|
17|                                     | 17|
18|                                     | 18|
19|                                     | 19|
20|                                     | 20|
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|---------|---------|--|
| withd_amt | O | X(15)/W | V | Display the amount of the withdrawal. Format the amount based on the currency code of the bills dispensed. |

STR 45089-S

Standard Data Elements: Screen WN5604a (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|--------|---------|---|
| acct_desc2 | O | X(18) | V | <p>If the Card Class Code is ICC 91 or 93, display one of the following based on the optional Product Category Code element returned in the profile:</p> <ul style="list-style-type: none"> 1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 4 - "Time Deposit" 5 - "Savings/Investment" 6 - "Line of Credit" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" <p>For Card Class 93, if no profile has been received, then use the CAT Card Type Code to determine which to display:</p> <ul style="list-style-type: none"> 070-072 - "Visa" 073-074 - "MasterCard" 075 - "Diners Club" |
| acct_no2 | O | X(22) | V | Display Account Number from Message 4201 Response. |
| slot_dir | O | X(5) | V | <p>Display one of the following based on the type of CAT hardware being used:</p> <ul style="list-style-type: none"> - DUCAT: "below" - CAT: "above" |

Screen Transition: See Figure 3-4.

STR 44421-S
STR 45089-S
STR 46562-S

Screen WN5605. Two Balances (Chk/Sav) - Off-U.s

```

111111111122222222223333333334
1234567890123456789012345678901234567890
+-----+
1|                                     |1
2| I've just given you XXXXXXXXXXXXXXXX |2 withd_amt
3| from XXXXXXXX.                      |3 offus_acct_desc2
4|                                     |4
5|                                     |5
6|                                     |6
7| Here are your new balances:         |7
8+-----+                             |8
9| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX on deposit |9 Current_Bal
10|                                     |10
11| XXXXXXXXXXXXXXXXXXXXXXX available now |11 Avail_Bal
12+-----+                             |12
13| May I help you with something else? |13
14|                                     |14
15| +-----+           +-----+      |15
16| | Yes  |           | No  |          |16
17| +-----+           +-----+      |17
18|                                     |18
19|                                     |19
20|                                     |20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------------|-----|------------|---------|---|
| withd_amt | O | X(15) / W | V | Display the amount of the withdrawal. Format the amount based on the currency code of the bills dispensed. |
| offus_acct_desc2 | O | X(8) | V | Display one of the following: 001 - "Checking" 004 - "Savings" 014 - "Credit" based on the optional Product Type Code element returned in the response to FC4201, if present, or otherwise based on the Product Type Code in the request. |
| Current_Bal | O | X(25) / \$ | R | Display Current_Bal from the Balance_Info structure in FC4201. Format Current_Bal based on Currency_Cde from the Balance_Info structure in FC4201. |

STR 45089-S

STR 48212-S

Standard Data Elements: Screen WN5605 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------------|------------|---------------|----------------|-----------------|
|------------------|------------|---------------|----------------|-----------------|

| | | | | |
|-----------|---|---------|---|--|
| Avail_Bal | O | X(19)/Z | R | Display Avail_Bal from the Balance_Info structure in FC4201. Format Avail_Bal based on Currency_Cde from the Balance_Info structure in FC4201. |
|-----------|---|---------|---|--|

Screen Transition: See Figure 3-5.

Screen WN5605a. Two Balances - On-Us

```

111111111122222222223333333334
1234567890123456789012345678901234567890
+-----+
1| I've just given you XXXXXXXXXXXXXXXX | 1 withd_amt
2| from XXXXXXXXXXXXXXXXXXXX           | 2 acct_desc2
3| XXXXXXXXXXXXXXXXXXXXXXXX.           | 3 acct_no2
4|                                     | 4
5| Here are your new balances:         | 5
6+-----+                             | 6
7| XXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXX | 7 new_bal1/bal_txt1a
8|                                     XXXXXXXXXX | 8 bal_txt1b
9|                                     | 9
10| XXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXX | 10 new_bal2/bal_txt2a
11|                                     XXXXXXXXXX | 11 bal_txt2b
12+-----+                             | 12
13| May I help you with something else? | 13
14|                                     | 14
15| +-----+           +-----+ | 15
16| | Yes |           | No | | 16
17| +-----+           +-----+ | 17
18|                                     | 18
19|                                     | 19
20|                                     | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|----------|---------|--|
| withd_amt | O | X(15)/ W | V | Display the amount of the withdrawal. Format the amount based on the currency code of the bills dispensed. |

STR 45089-S

Standard Data Elements: Screen WN5605a (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|------------|---------|---|
| acct_desc2 | O | X(18) | V | <p>If the Card Class Code is ICC 91 or 93, display one of the following based on the optional Product Category Code element returned in the profile:</p> <ul style="list-style-type: none"> 1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 4 - "Time Deposit" 5 - "Savings/Investment" 6 - "Line of Credit" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" <p>For Card Class 93, if no profile has been received, then use the CAT Card Type Code to determine which to display:</p> <ul style="list-style-type: none"> 070-072 - "Visa" 073-074 - "MasterCard" 075 - "Diners Club" |
| acct_no2 | O | X(22) | V | Display Account Number from Message 4201 Response. |
| new_bal1 | O | X(25) / \$ | R | <p>Format this amount based on the Currency Code from the Account Balance structure in Message 4201.</p> <p>This screen is displayed only if both balances indicated in Common Table 6-1 are returned in the Account Balance Structure of Message 4201. Display the first balance in Common NO TAG.</p> |

STR 45089-S
STR 44421-S
STR 46426-S
STR 46562-S

Standard Data Elements: Screen WN5605a (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|------------|---------|---|
| bal_txt1a | O | X(20) | L | Refer to NO TAG and NO TAG for screen text associated with returned balance. |
| bal_txt1b | O | X(20) | L | Refer to NO TAG and NO TAG for screen text associated with returned balance. |
| new_bal2 | O | X(25) / \$ | R | Format this amount based on the Currency Code from the Account Balance structure in Message 4201. This screen is displayed only if both balances indicated in Common Table 6-1 are returned in the Account Balance Structure of Message 4201. Display the second balance shown in Common NO TAG. |
| bal_txt2a | O | X(20) | L | Refer to NO TAG and NO TAG for screen text associated with returned balance. |
| bal_txt2b | O | X(20) | L | Refer to NO TAG and NO TAG for screen text associated with returned balance. |

Screen Transition: See Figure 3-5.

Comments: When displaying two balances, there should always be a single blank line between the two text descriptors. This should be true if the first balance takes up either one or two lines of text. The second balance and descriptor should move up accordingly.

Also, the first three lines of this screen should have the exact placement as they do on Screen WN5604.

STR 46426-S

Screen WN5606. Current_Bal Only (Chk/Sav) - Off-Us

```

111111111122222222223333333334
1234567890123456789012345678901234567890
+-----+
1 | I've just given you XXXXXXXXXXXXXXXX | 1
2 | from XXXXXXXX. | 2 wthd_amt
3 | | 3 offus_acct_desc2
4 | | 4
5 | | 5
6 | | 6
7 | Here is your new balance: | 7
8 |-----+-----+ | 8
9 | XXXXXXXXXXXXXXXXXXXXXXXXXXXX on deposit | 9 Current_Bal
10 |-----+-----+ | 10
11 | | 11
12 | | 12
13 | May I help you with something else? | 13
14 | | 14
15 | +-----+ +-----+ | 15
16 | | Yes | | No | | 16
17 | +-----+ +-----+ | 17
18 | | | | +-----+ | 18
19 | | | | | EXIT | | 19
20 | | | | +-----+ | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------------|-----|---------|---------|---|
| wthd_amt | O | X(15)/W | V | Display the amount of the withdrawal. Format the amount based on the currency code of the bills dispensed. |
| offus_acct_desc2 | O | X(8) | V | Display one of the following: 001 - "Checking" 004 - "Savings" based on the optional Product Type Code element returned in the response to FC4201, if present, or otherwise based on the Product Type Code in the request. |

STR 45089-S

STR 48212-S

Standard Data Elements: Screen WN5606 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|------------|---------|--|
| Current_Bal | O | X(25) / \$ | R | Display Current_Bal from the Balance_Info structure in FC4201. Format Current_Bal based on Currency_Cde from the Balance_Info structure in FC4201. |

Screen Transition: See Figure 3-5.

Screen WN5607. No Balance (Chk/Sav/Cred) - Off-Us

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 | I've just given you XXXXXXXXXXXXXXXX | 1
2 | from XXXXXXXX. | 2 wthd_amt
3 | | 3 offus_acct_desc2
4 | | 4
5 | | 5
6 | | 6
7 | | 7
8 | | 8
9 | | 9
10 | | 10
11 | | 11
12 | | 12
13 | May I help you with something else? | 13
14 | | 14
15 | +-----+ | 15
16 | | Yes | | No | | 16
17 | +-----+ | 17
18 | | | 18
19 | | EXIT | | 19
20 | | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------------|-----|---------|---------|---|
| wthd_amt | O | X(15)/W | V | Display the amount of the withdrawal. Format the amount based on the currency code of the bills dispensed. |
| offus_acct_desc2 | O | X(8) | V | Display one of the following: 001 - "Checking" 004 - "Savings" 014 - "Credit" based on the optional Product Type Code element returned in the response to FC4201, if present, or otherwise based on the Product Type Code in the request. |

Screen Transition: See Figure 3-5.

STR 45089-S

STR 48212-S

Screen WN5607a. No Balance - On-Us

```

111111111122222222223333333334
1234567890123456789012345678901234567890
+-----+
1 | I've just given you XXXXXXXXXXXXXXXX | 1 wthd_amt
2 | from XXXXXXXXXXXXXXXXXXXX | 2 acct_desc2
3 | XXXXXXXXXXXXXXXXXXXXXXXX. | 3 acct_no2
4 | | 4
5 | | 5
6 | | 6
7 | | 7
8 | | 8
9 | | 9
10 | | 10
11 | | 11
12 | | 12
13 | May I help you with something else? | 13
14 | | 14
15 | +-----+ | 15
16 | | Yes | | No | | 16
17 | +-----+ | 17
18 | | | +-----+ | 18
19 | | | | EXIT | | 19
20 | | | +-----+ | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|---------|---------|--|
| wthd_amt | O | X(15)/W | V | Display the amount of the withdrawal. Format the amount based on the currency code of the bills dispensed. |

STR 45089-S

Standard Data Elements: Screen WN5607a (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|--------|---------|---|
| acct_desc2 | O | X(18) | V | <p>If the Card Class Code is ICC 91 or 93, display one of the following based on the optional Product Category Code element returned in the profile:</p> <ul style="list-style-type: none"> 1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 4 - "Time Deposit" 5 - "Savings/Investment" 6 - "Line of Credit" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" <p>For Card Class 93, if no profile has been received, then use the CAT Card Type Code to determine which to display:</p> <ul style="list-style-type: none"> 070-072 - "Visa" 073-074 - "MasterCard" 075 - "Diners Club" |
| acct_no2 | O | X(22) | V | Display Account Number from Message 4201 Response. |

Screen Transition: See Figure 3-5.

Comments: The first three lines of this screen should have the exact placement as they do on Screen WN5604.

STR 44421-S
STR 45089-S
STR 46562-S

Screen WN5608. Avail_Bal Only (Chk/Sav) - Off-Us

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 | I've just given you XXXXXXXXXXXXXXXX | 1
2 | from XXXXXXXX. | 2 wthd_amt
3 | | 3 offus_acct_desc2
4 | | 4
5 | | 5
6 | | 6
7 | Here is your new balance: | 7
8 |-----+ 8
9 | XXXXXXXXXXXXXXXXXXXX available now | 9 Avail_Bal
10 |-----+ 10
11 | | 11
12 | | 12
13 | May I help you with something else? | 13
14 | | 14
15 | +-----+ +-----+ | 15
16 | | Yes | | No | | 16
17 | +-----+ +-----+ | 17
18 | | | | +-----+ | 18
19 | | | | | EXIT | | 19
20 | | | | +-----+ | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------------|-----|------------|---------|---|
| wthd_amt | O | X(15) / W | V | Display the amount of the withdrawal. Format the amount based on the currency code of the bills dispensed. |
| offus_acct_desc2 | O | X(8) | V | Display one of the following: 001 - "Checking" 004 - "Savings" based on the optional Product Type Code element returned in the response to FC4201, if present, or otherwise based on the Product Type Code in the request. |
| Avail_Bal | O | X(25) / \$ | R | Display Avail_Bal from the Balance_Info structure in FC4201. Format Avail_Bal based on Currency_Cde from the Balance_Info structure in FC4201. |

Screen Transition: See Figure 3-5.

STR 45089-S

STR 48212-S

Screen WN5609. One Balance

```

111111111122222222223333333334
1234567890123456789012345678901234567890
+-----+
1 | I've just given you XXXXXXXXXXXXXXXX | 1 withd_amt
2 | from XXXXXXXXXXXXXXXXXXXX | 2 acct_desc2
3 | XXXXXXXXXXXXXXXXXXXXXXXX. | 3 acct_no2
4 | | 4
5 | | 5
6 | | 6
7 | Here is your new balance: | 7
8 +-----+ 8
9 | XXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX | 9 new_bal3/bal_txt3a
10 | XXXXXXXXXXXXXXXXXXXXXXXX | 10 bal_txt3b
11 +-----+ 11
12 | | 12
13 | May I help you with something else? | 13
14 | | 14
15 | +-----+ | +-----+ | 15
16 | | Yes | | No | | 16
17 | +-----+ | +-----+ | 17
18 | | | | +-----+ | 18
19 | | | | | EXIT | | 19
20 | | | | +-----+ | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|-----------|---------|--|
| withd_amt | O | X(15) / W | V | Display the amount of the withdrawal. Format the amount based on the currency code of the bills dispensed. |

Standard Data Elements: Screen WN5609 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|------------|---------|---|
| acct_desc2 | O | X(18) | V | <p>If the Card Class Code is ICC 91 or 93, display one of the following based on the optional Product Category Code element returned in the profile:</p> <ul style="list-style-type: none"> 1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 4 - "Time Deposit" 5 - "Savings/Investment" 6 - "Line of Credit" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" <p>For Card Class 93, if no profile has been received, then use the CAT Card Type Code to determine which to display:</p> <ul style="list-style-type: none"> 070-072 - "Visa" 073-074 - "MasterCard" 075 - "Diners Club" |
| acct_no2 | O | X(22) | V | Display Account Number from Message 4201 Response. |
| new_bal3 | O | X(25) / \$ | R | <p>Format this amount based on the Currency Code from the Account Balance structure in Message 4201.</p> <p>This screen is displayed only if one balance indicated in Common NO TAG is returned in the Account Balance Structure of Message 4201. Display the balance shown in Common NO TAG.</p> |

STR 44421-S
 STR 45089-S
 STR 46426-S
 STR 46562-S

Standard Data Elements : Screen WN5609 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------------|------------|---------------|----------------|--|
| bal_txt3a | O | X(20) | L | Refer to NO TAG and NO TAG for screen text associated with returned balance. |
| bal_txt3b | O | X(20) | L | Refer to NO TAG and NO TAG for screen text associated with returned balance. |

Screen Transition: See Figure 3-5.

Comments: The first three lines of this screen should have the exact placement as they do on Screen WN5604.

Screen WN5612. Withdrawal NSF With Balance In Account Currency Only - Off-U.s

```

111111111122222222223333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 | I'm sorry. I can't do that right now. | 5
6 |                                     | 6
7 | You have XXXXXXXXXXXXXXXXXXXXXXXXXX | 7 offus_available
8 | available in XXXXXXXXX and you want | 8 offus_acct_desc4
9 | to get XXXXXXXXXXXXXXXXXX.          | 9 wthd_amt
10 |                                     | 10
11 |                                     | 11
12 |                                     | 12
13 | May I help you with something else? | 13
14 |                                     | 14
15 | +-----+          +-----+      | 15
16 | | Yes  |          | No  |          | 16
17 | +-----+          +-----+      | 17
18 |                                     | 18
19 |                                     | 19
20 |                                     | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------------|-----|------------|---------|---|
| offus_available | O | X(25) / \$ | L | If Checking or Savings, display Avail_Bal from the Balance_Info structure in FC4201. If credit, display Cash_Advance_Amt from the Balance_Info structure in FC4201. Format Avail_Bal (or Cash_Advance_Amt) based on Currency_Cde from the Balance_Info structure in FC4201. |
| offus_acct_desc4 | O | X(8) | V | Display one of the following: 001 - "Checking" 004 - "Savings" 014 - "Credit" based on the optional Product Type Code element returned in the response to FC4201, if present, or otherwise based on the Product Type Code in the request. |

STR 45089-S

STR 48212-S

Withdrawal

Standard Data Elements: Screen WN5612 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|----------|
|-----------|-----|--------|---------|----------|

| | | | | |
|----------|---|-----------|---|--|
| wthd_amt | O | X(15) / W | V | Display the amount of the withdrawal. Format the amount based on the currency code of the bills dispensed. |
|----------|---|-----------|---|--|

Screen Transition: See Figure 3-6.

Screen WN5612a. Withdrawal NSF With Balance In Account Currency Only - On-Us

```

111111111122222222223333333334
123456789012345678901234567890
+-----+
1|                                     | 1
2|                                     | 2
3|                                     | 3
4|                                     | 4
5| I'm sorry. I can't do that right now. | 5
6|                                     | 6
7| You have XXXXXXXXXXXXXXXXXXXXXXXX | 7 available
8| available XXXX XXXXXXXXXXXXXXXXXX | 8 in_from/acct_desc4
9| XXXXXXXXXXXXXXXXXXXXXXXX and you want | 9 acct_no4
10| to get XXXXXXXXXXXXXXXX. | 10 withd_amt
11|                                     | 11
12|                                     | 12
13| May I help you with something else? | 13
14|                                     | 14
15| +-----+ +-----+ | 15
16| | Yes | | No | | 16
17| +-----+ +-----+ | 17
18|                                     | 18
19|                                     | 19
20|                                     | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|------------|---------|--|
| available | O | X(25) / \$ | L | <p>Format this amount based on the Currency Code from the Account Balance structure in Message 4201.</p> <p>Display the following balance from the Account Balance structure in FC4201, based on the product category:</p> <p>Available Balance - Checking/Current Savings Money Market Time Deposit Savings/Investment</p> <p>Available Credit Amount - Line of Credit Diners Club</p> <p>Cash Advance Amount - Visa MasterCard</p> |

STR 46423-S

Standard Data Elements: Screen WN5612a (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|-----------|---------|--|
| in_from | O | X(4) | V | For Card Class 91, if CA Category is "Checking or Current" or "Savings and Investments, display "in". Otherwise, display "from". For Card Class 93, display "from". |
| acct_desc4 | O | X(18) | V | If the Card Class Code is ICC 91 or 93, display one of the following based on the optional Product Category Code element returned in the profile: 1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 4 - "Time Deposit" 5 - "Savings/Investment" 6 - "Line of Credit" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" For Card Class 93, if no profile has been received, then use the CAT Card Type Code to determine which to display: 070-072 - "Visa" 073-074 - "MasterCard" 075 - "Diners Club" |
| acct_no4 | O | X(22) | V | Display Account Number from Message 4201 Response. |
| wthd_amt | O | X(15) / W | V | Display the amount of the withdrawal. Format the amount based on the currency code of the bills dispensed. |

Screen Transition: See Figure 3-6.

STR 46424-S
STR 44421-S
STR 45089-S
STR 46562-S

Screen WN5613. Withdrawal NSF Without Balances - Off-Us

```

11111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 | I'm sorry.  I can't do that right now. | 6
7 |                                     | 7
8 | You do not have enough money available | 8
9 | in XXXXXXXXX to get XXXXXXXXXXXXXXXXX. | 9 offus_acct_desc4/wthd_amt
10 |                                     | 10
11 |                                     | 11
12 |                                     | 12
13 | May I help you with something else? | 13
14 |                                     | 14
15 | +-----+          +-----+ | 15
16 | | Yes |          | No | | 16
17 | +-----+          +-----+ | 17
18 |                                     | 18
19 |                                     | 19
20 |                                     | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------------|-----|-----------|---------|---|
| offus_acct_desc4 | O | X(8) | V | Display one of the following: 001 - "Checking" 004 - "Savings" 014 - "Credit" based on the optional Product Type Code element returned in the response to FC4201, if present, or otherwise based on the Product Type Code in the request. |
| wthd_amt | O | X(15) / W | V | Display the amount of the withdrawal. Format the amount based on the currency code of the bills dispensed. |

Screen Transition: See Figure 3-6.

STR 45089-S
STR 48212-S

Standard Data Elements: Screen WN5613a (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|-----------|---------|---|
| | | | | For Card Class 93, if no profile has been received, then use the CAT Card Type Code to determine which to display: 070-072 - "Visa" 073-074 - "MasterCard" 075 - "Diners Club" |
| in_from | O | X(4) | V | For Card Class 91, if CA Category is "Checking or Current" or "Savings and Investments", display "in". Otherwise, display "from". For Card Class 93, display "from". |
| acct_no4 | O | X(22) | V | Display Account Number from Message 4201 Response. |
| wthd_amt | O | X(15) / W | V | Display the amount of the withdrawal. Format the amount based on the currency code of the bills dispensed. |

Screen Transition: See Figure 3-6.

STR 44421-S
STR 45089-S
STR 46424-S

Screen WN5615. Two Balances (Cred) - Off-Us

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 | I've just given you XXXXXXXXXXXXXXXX | 1
2 | from Credit. | 2 wthd_amt
3 | | 3
4 | | 4
5 | | 5
6 | | 6
7 | | 7
8 | | 8
+-----+
9 | You now have XXXXXXXXXXXXXXXXXXXXXXXX | 9 Avail_Credit_Amt
10 | total credit available. Of this, | 10
11 | XXXXXXXXXXXXXXXXXXXXXXXX is available | 11 Cash_Advance_Amt
12 | for cash advances. | 12
13 | | 13
14 | | 14
15 | | 15
16 | May I help you with something else? | 16
17 | | 17
18 | +-----+ +-----+ +-----+ | 18
19 | | Yes | | No | | EXIT | | 19
20 | +-----+ +-----+ +-----+ | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------------|-----|----------|---------|--|
| wthd_amt | O | X(15)/W | V | Display the amount of the withdrawal. Format the amount based on the currency code of the bills dispensed. |
| Avail_Credit_Amt | O | X(25)/\$ | V | Display Avail_Credit_Amt from the Balance_Info structure in FC4201. Format Avail_Credit_Amt based on Currency_Cde from the Balance_Info structure in FC4201. |
| Cash_Advance_Amt | O | X(25)/\$ | V | Display Cash_Advance_Amt from the Balance_Info structure in FC4201. Format Cash_Advance_Amt based on Currency_Cde from the Balance_Info structure in FC4201. |

Screen Transition: See Figure 3-5.

STR 45089-S

Screen WN5616. Avail_Credit_Amt (Cred) - Off-Us

```

111111111122222222223333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 | I've just given you XXXXXXXXXXXXXXXX | 2 withd_amt
3 | from Credit.                         | 3
4 |                                     | 4
5 |                                     | 5
6 |                                     | 6
7 | Here is your new balance:             | 7
8 |-----+-----+                   | 8
9 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX total credit available | 9 Avail_Credit_Amt
10 |                                     | 10
11 |-----+-----+                   | 11
12 |                                     | 12
13 | May I help you with something else?   | 13
14 |                                     | 14
15 | +-----+           +-----+       | 15
16 | | Yes |           | No |           | 16
17 | +-----+           +-----+       | 17
18 |                                     | 18
19 |                                     | 19
20 |                                     | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------------|-----|----------|---------|--|
| withd_amt | O | X(15)/W | V | Display the amount of the withdrawal. Format the amount based on the currency code of the bills dispensed. |
| Avail_Credit_Amt | O | X(25)/\$ | R | Display Avail_Credit_Amt from the Balance_Info structure in FC4201. Format Avail_Credit_Amt based on Currency_Cde from the Balance_Info structure in FC4201. |

Screen Transition: See Figure 3-5.

STR 45089-S

Screen WN5620. Cash_Advance_Amt (Cred) - Off-Us

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 | I've just given you XXXXXXXXXXXXXXXX | 1
2 | from Credit. | 2 withd_amt
3 | | 3
4 | | 4
5 | | 5
6 | | 6
7 | Here is your new balance: | 7
8 |-----+-----+ 8
9 | XXXXXXXXXXXXXXXXXXXXXXXX cash advance available | 9 Cash_Advance_Amt
10 | | 10
11 |-----+-----+ 11
12 | May I help you with something else? | 12
13 | | 13
14 | | 14
15 | +-----+ +-----+ | 15
16 | | Yes | | No | | 16
17 | +-----+ +-----+ | 17
18 | | | | +-----+ | 18
19 | | | | | EXIT | | 19
20 | | | | +-----+ | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------------|-----|------------|---------|--|
| withd_amt | O | X(15) / W | V | Display the amount of the withdrawal. Format the amount based on the currency code of the bills dispensed. |
| Cash_Advance_Amt | O | X(25) / \$ | R | Display Cash_Advance_Amt from the Balance_Info structure in FC4201. Format Cash_Advance_Amt based on Currency_Cde from the Balance_Info structure in FC4201. |

Screen Transition: See Figure 3-5.

STR 45089-S

Screen WN5621. Ready To Give Cash - Off-Us

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 | Okay. I'm ready to give you       | 4
5 | XXXXXXXXXXXXXXXXXXXX.             | 5 withd_amt
6 |                                     | 6
7 | The amount that will be deducted   | 7
8 | from your XXXXXXXXX will be       | 8 offus_acct_desc3
9 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX. | 9 Eqv_Txn_Amt
10 |                                     | 10
11 |                                     | 11
12 |                                     | 12
13 | Would you like to continue?       | 13
14 |                                     | 14
15 | +-----+           +-----+    | 15
16 | | Yes  |           | No  |       | 16
17 | +-----+           +-----+    | 17
18 |                                     | 18
19 |                                     | 19
20 |                                     | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------------|-----|-----------|---------|---|
| withd_amt | O | X(15)/ W | V | Display the amount of the withdrawal. Format the amount based on the currency code of the bills dispensed. |
| offus_acct_desc3 | O | X(8) | V | Display one of the following: 001 - "Checking" 004 - "Savings" 014 - "Credit" based on the optional Product Type Code element returned in the response to FC4201, if present, or otherwise based on the Product Type Code in the request. |
| Eqv_Txn_Amt | O | X(25)/ \$ | V | Display Eqv_Txn_Amt in FC4201. Format Eqv_Txn_Amt based on Equivalent Transaction Currency in FC4201. |

Screen Transition: See Figure 3-3.

STR 45089-S

STR 46586-S

STR 48212-S

Withdrawal

Messages to/from ESPs: If customer chooses *not* to continue, send FC4202 with Rev_Reason_Cde = Customer Declined in background.

If this screen times out, or the customer presses **EXIT**, send FC 4202 with Rev_Reason_Cde = Timeout or Exit in background.

Standard Data Elements: Screen WN5621a (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|------------|---------|---|
| acct_desc3 | O | X(18) | V | <p>If the Card Class Code is ICC 91 or 93, display one of the following based on the optional Product Category Code element returned in the profile:</p> <ul style="list-style-type: none"> 1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 4 - "Time Deposit" 5 - "Savings/Investment" 6 - "Line of Credit" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" <p>For Card Class 93, if no profile has been received, then use the CAT Card Type Code to determine which to display:</p> <ul style="list-style-type: none"> 070-072 - "Visa" 073-074 - "MasterCard" 075 - "Diners Club" |
| acct_no3 | O | X(22) | V | Display Account Number from Message 4201 Response. |
| Eqv_Txn_Amt | O | X(25) / \$ | V | Display Eqv_Txn_Amt in FC4201. Format Eqv_Txn_Amt based on Equivalent Transaction Currency in FC4201. |

Screen Transition: See Figure 3-3.

Messages to/from ESPs: If customer chooses *not* to continue, send FC4202 with Rev_Reason_Cde = Customer Declined in background.

If this screen times out, or the customer presses **EXIT**, send FC4202 with Rev_Reason_Cde = Timeout or Exit in background.

STR 44421-S
STR 45089-S
STR 46562-S

Screen WN5622. Won't Give Cash

```
1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1|                                     |1
2|                                     |2
3|                                     |3
4|                                     |4
5|                                     |5
6|                                     |6
7| Okay.  I won't give you the cash. |7
8|                                     |8
9|                                     |9
10|                                    |10
11|                                    |11
12|                                    |12
13| Would you like to give me a different |13
14| amount?                             |14
15| +-----+           +-----+      |15
16| | Yes |           | No |           |16
17| +-----+           +-----+      |17
18|                                     |18
19|                                     |19
20|                                     |20
+-----+
      | EXIT |
```

Screen Transition: See Figure 3-3.

Screen WN5623. Limit Exceeded - Off-Us

```

111111111122222222223333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 | I'm sorry. I can't do that right now. | 5
6 |                                     | 6
7 | That would put you over the limit    | 7
8 | for your XXXXXXXX.                  | 8 offus_acct_desc8/offus_acct_desc8 (not show
9 |                                     | 9
10 |                                     | 10
11 |                                     | 11
12 |                                     | 12
13 | May I help you with something else? | 13
14 |                                     | 14
15 | +-----+          +-----+      | 15
16 | | Yes  |          | No  |          | 16
17 | +-----+          +-----+      | 17
18 |                                     | 18
19 |                                     | 19
20 |                                     | 20
    |                                     |
    +-----+
    | EXIT |
    +-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------------|-----|--------|---------|--|
| offus_acct_desc8 | O | X(8) | V | Display one of the following: 001 - "Checking" 004 - "Savings" 014 - "Credit" based on the optional Product Type Code element returned in the response to FC4201, if present, or otherwise based on the Product Type Code in the request. |
| offus_acct_desc9 | O | X(8) | V | Not shown in English. |

Screen Transition: See Figure 3-6.

STR 40366-S
STR 45089-S
STR 48212-S

Screen WN5623a. Limit Exceeded - On-Us

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 | I'm sorry. I can't do that right now. | 5
6 |                                     | 6
7 | That would put you over the limit    | 7
8 | for your XXXXXXXXXXXXXXXXXXXX       | 8 acct_desc8/acct_desc9 (not shown)
9 | XXXXXXXXXXXXXXXXXXXXXXXX.           | 9 acct_no8
10 |                                     | 10
11 |                                     | 11
12 |                                     | 12
13 | May I help you with something else? | 13
14 |                                     | 14
15 | +-----+          +-----+       | 15
16 | | Yes  |          | No  |          | 16
17 | +-----+          +-----+       | 17
18 |                                     | 18
19 |                                     | 19
20 |                                     | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|--------|---------|---|
| acct_desc8 | O | X(18) | V | <p>If the Card Class Code is ICC 91 or 93, display one of the following based on the optional Product Category Code element returned in the profile:</p> <ul style="list-style-type: none"> 1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 4 - "Time Deposit" 5 - "Savings/Investment" 6 - "Line of Credit" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" |

STR 45089-S

STR 46562-S

Standard Data Elements: Screen WN5623a (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|----------|
|-----------|-----|--------|---------|----------|

For Card Class 93, if no profile has been received, then use the CAT Card Type Code to determine which to display:

070-072 - "Visa"

073-074 - "MasterCard"

075 - "Diners Club"

| | | | | |
|------------|---|-------|---|--|
| acct_desc9 | O | X(8) | V | Not shown in English. |
| acct_no8 | O | X(22) | V | Display Account Number from Message 4201 Response. |

Screen Transition: See Figure 3-6.

STR 40366-S

STR 44421-S

STR 45089-S

Screen WN5624. Withdrawal NSF With Balances In Account/Dispense Currencies - Off-U's

```

111111111122222222223333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 | I'm sorry.  I can't do that right now. | 5
6 |                                     | 6
7 | You asked for XXXXXXXXXXXXXXXXXX. With | 7 wthd_amt
8 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX available | 8 offus_available
9 | in XXXXXXXXXX, I can only give you | 9 offus_acct_desc4
10 | up to XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX. | 10 offus_available_disp
11 |                                     | 11
12 |                                     | 12
13 | May I help you with something else? | 13
14 |                                     | 14
15 | +-----+          +-----+ | 15
16 | | Yes |          | No | | 16
17 | +-----+          +-----+ | 17
18 |                                     | 18
19 |                                     | 19
20 |                                     | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------------|-----|------------|---------|--|
| wthd_amt | O | X(15) / W | V | Display the amount of the withdrawal. Format the amount based on the currency code of the bills dispensed. |
| offus_available | O | X(25) / \$ | V | If Checking or Savings, display Avail_Bal in the account currency from the Balance_Info structure in FC4201. If credit, display Cash_Advance_Amt in the account currency from the Balance_Info structure in FC4201. Format Avail_Bal (or Cash_Advance_Amt) based on Currency_Cde from the account currency Balance_Info structure in FC4201. |

STR 45089-S

Standard Data Elements: Screen WN5624 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|----------|
|-----------|-----|--------|---------|----------|

offus_acct_desc4

O

X(8)

V

Display one of the following:

001 - "Checking"

004 - "Savings"

014 - "Credit"

based on the optional Product Type Code element returned in the response to FC4201, if present, or otherwise based on the Product Type Code in the request.

offus_available_disp

O

X(25) / \$

V

If Checking or Savings, display Avail_Bal in the dispense currency from the Balance_Info structure in FC4201. If credit, display Cash_Advance_Amt in the dispense currency from the Balance_Info structure in FC4201. Format Avail_Bal (or Cash_Advance_Amt) based on Currency_Cde from the dispense currency Balance_Info structure in FC4201.

Screen Transition: See Figure 3-6.

STR 45089-S

STR 48212-S

Screen WN5624a. Withdrawal NSF With Balances In Account/Dispense Currencies - On-Us

```

111111111122222222223333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 | I'm sorry.  I can't do that right now. | 4
5 |                                     | 5
6 | You asked for XXXXXXXXXXXXXXXX. | 6 wthd_amt
7 | With XXXXXXXXXXXXXXXXXXXXXXXX | 7 available
8 | available XXXX XXXXXXXXXXXXXXXX | 8 in_from/acct_desc4
9 | XXXXXXXXXXXXXXXXXXXXXXXX, I can only | 9 acct_no4
10 | give you up to | 10
11 | XXXXXXXXXXXXXXXXXXXXXXXX. | 11 available_disp
12 |                                     | 12
13 | May I help you with something else? | 13
14 |                                     | 14
15 | +-----+ | +-----+ | 15
16 | | Yes | | | No | | 16
17 | +-----+ | +-----+ | 17
18 |                                     | +-----+ | 18
19 |                                     | | EXIT | | 19
20 |                                     | +-----+ | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|-----------|---------|--|
| wthd_amt | O | X(15) / W | V | Display the amount of the withdrawal. Format the amount based on the currency code of the bills dispensed. |

STR 45089-S

Standard Data Elements: Screen WN5624a (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|------------|---------|---|
| available | O | X(25) / \$ | L | <p>Format this amount based on the Currency Code from the Account Balance structure in Message 4201.</p> <p>Display the following balance from the Account Balance structure in FC4201, based on the product category:</p> <p>Available Balance - Checking/Current Savings Money Market Time Deposit Savings/Investment</p> <p>Available Credit Amount - Line of Credit Diners Club</p> <p>Cash Advance Amount - Visa MasterCard</p> |
| in_from | O | X(4) | V | <p>For Card Class 91, if CA Category is "Checking or Current" or "Savings and Investments", display "in". Otherwise, display "from".</p> <p>For Card Class 93, display "from".</p> |
| acct_desc4 | O | X(18) | V | <p>If the Card Class Code is ICC 91 or 93, display one of the following based on the optional Product Category Code element returned in the profile:</p> <p>1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 4 - "Time Deposit" 5 - "Savings/Investment" 6 - "Line of Credit" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club"</p> |

STR 46424-S
 STR 46423-S
 STR 45089-S
 STR 46562-S

Standard Data Elements: Screen WN5624a (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|----------------|-----|------------|---------|---|
| | | | | For Card Class 93, if no profile has been received, then use the CAT Card Type Code to determine which to display: 070-072 - "Visa" 073-074 - "MasterCard" 075 - "Diners Club" |
| acct_no4 | O | X(22) | V | Display Account Number from Message 4201 Response. |
| available_disp | O | X(25) / \$ | V | Format this amount based on the Equivalent Transaction Currency Code (dispense currency) received in FC4201. Display the following balance from the Account Balance structure in FC4201, based on the product category: Available Balance - Checking/Current Savings Money Market Time Deposit Savings/Investment Available Credit Amount - Line of Credit Diners Club Cash Advance Amount - Visa MasterCard |

Screen Transition: See Figure 3-6.

STR 44421-S
STR 45089-S
STR 46423-S
STR 46562-S

Standard Data Elements

Comments: See comments on Screen PN5506.

Screen WN5627. Which Currency (4)

```

111111111122222222223333333334.
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 | What kind of cash would you like? | 2
3 |                                     | 3
4 | +-----+ | 4
5 | | | | | 5 See Comments Below
6 | +-----+ | 6
7 | +-----+ | 7
8 | | | | | 8 See Comments Below
9 | +-----+ | 9
10 | +-----+ | 10
11 | | | | | 11 See Comments Below
12 | +-----+ | 12
13 | +-----+ | 13
14 | | | | | 14 See Comments Below
15 | +-----+ | 15
16 |                                     | 16
17 |                                     | 17
18 |                                     | 18
19 |                                     | 19
20 |                                     | 20
+-----+

```

+-----+
| EXIT |
+-----+

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|---------------------------|-----|--------|---------|---|
| buttonX_top (X=1-4) | O | X(29) | L | See Process WN5651 for text to display. |
| buttonX_cent (X=1-4) | O | X(29) | L | See Process WN5651 for text to display. |
| buttonX_bottom (X=1-4) | O | X(38) | L | See Process WN5651 for text to display. |

Screen Transition: See Figure 3-7.

Comments: See comments on Screen PN5506.

Screen WN5634. How Much Cash Would You Like - 4 Amounts

```

111111111122222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX| 1 See below
2 | How much cash would you like?                | 2
3 |                                                | 3
4 | +-----+ +-----+ | 4
5 | |XXXXXXXXXXXXXXXXXX| |XXXXXXXXXXXXXXXXXX| | 5 amt1/amt2
6 | +-----+ +-----+ | 6
7 | +-----+ +-----+ | 7
8 | |XXXXXXXXXXXXXXXXXX| |XXXXXXXXXXXXXXXXXX| | 8 amt3/amt4
9 | +-----+ +-----+ | 9
10| |                                                | 10
11| |                                                | 11
12| |                                                | 12
13| |                                                | 13
14| |                                                | 14
15| |                                                | 15
16| |                                                | 16
17| |                                                | 17
18| |                                                | 18
19| |EXIT| | 19
20| |                                                | 20
+-----+

```

Variables: Line 1: alt_txt1/alt_amt1/alt_txt2 OR
alt_txt3/alt_amt2/alt_txt4/alt_amt3/alt_txt5

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|---------|---------|--|
| alt_txt1 | O | X(12) | V | Display one of the following: - "I only have " - "I'm out of " - blanks |
| alt_amt1 | O | X(15)/W | V | See Comments. |
| alt_txt2 | O | X(7) | V | Display " bills." or leave blank. |
| alt_txt3 | O | X(7) | V | Display "I have " or leave blank. |
| alt_amt2 | O | X(15)/W | V | See Comments. |
| alt_txt4 | O | X(5) | V | Display " and " or leave blank. |

Standard Data Elements: Screen WN5634 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------------------------|-----|---------|---------|---|
| alt_amt3 | O | X(15)/W | V | See Comments. |
| alt_txt5 | O | X(7) | V | Display "bills." or leave blank. |
| amt _n (n=1-4) | O | X(15) | C | Display the amounts (and associated currency descriptors of the amounts) available, which were set in Process WN5650. |

Screen Transition: See Figure 3-2.

Comments: If the CAT has all bill denominations for the dispense currency and type, leave blank.

Otherwise, display one of the following based on the number of different denominations normally available, and the current cassette status.

| # Denoms Normally Available | # Denoms Currently Available | "alt_txt" to Display |
|-----------------------------|------------------------------|--|
| 4 denoms | 3 denoms | "I'm out of X(15) bills." where X(15) is the currency descriptor and denomination of the bill that has run out. |
| 4 denoms | 2 denoms | "I have X(15) and X(15) bills." where X(15) and X(15) are the currency descriptors and denominations of the remaining bills. Note: For some languages, it is possible that this phrase would exceed 51 characters. If this occurs, the whole phrase should be left blank. |
| 4 denoms | 1 denom | "I only have X(15) bills." where X(15) is the currency descriptor and denomination of the remaining bill. |
| 3 denoms | 2 denoms | "I'm out of X(15) bills." (See 4/3 case above). |
| 3 denoms | 1 denom | "I only have X(15) bills." (See 4/1 case above). |
| 2 denoms | 1 denom | "I only have X(15) bills." (See 4/1 case above). |

The way the variables have been defined for this screen, display either alt_txt1, alt_amt, and alt_txt2 or alt_txt3, alt_amt2, alt_txt4, alt_amt3, and alt_txt5 depending upon the bills available.

Messages to/from ESPs: If PIN reentry is not required because this is the first transaction of the session, send FC4201.

Screen WN5636. How Much Cash (Keypad)

```

111111111122222222223333333334
123456789012345678901234567890
+-----+
1 | Tell me how much cash you would like, | 1
2 | in multiples of XXXXXXXXXXXXXXXX. | 2 mult_amt
3 | Then touch ENTER. | 3
4 | (Touch CLEAR to erase.) | 4
5 | +-----+ | 5
6 | |XXXXXX-----| | 6 ccode/wthd_amt
7 | +-----+ | 7
8 | | | | | 8
9 | | 1 | 2 | 3 | | 9
10 | | | | | 10
11 | +-----+ ENTER | 11
12 | | 4 | 5 | 6 | | 12
13 | | | | | 13
14 | +-----+ | 14
15 | | | | | 15
16 | | 7 | 8 | 9 | | 16
17 | | | | | 17
18 | +-----+ | 18
19 | CLEAR | 0 | | EXIT | 19
20 | | | | | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|---------|---------|--|
| mult_amt | O | X(15)/W | V | Display the value of the lowest denomination available for dispensing cash. Format mult_amt with currency descriptor based on the dispense currency. |
| ccode | O | X(6) | R | Display the currency descriptor for the transfer currency transaction code. |
| wthd_amt | I | X(14)/W | L | Entry is typewriter style, left to right. |

Screen Transition: See Figure 3-2.

STR 46579-S

Screen WN5637. Do Not Dispense Cash

```
111111111122222222223333333334
1234567890123456789012345678901234567890

+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 | I'm sorry. I can't give cash right | 6
7 | now.                               | 7
8 |                                     | 8
9 | The printer isn't working.         | 9
10 | Please reset the printer and      | 10
11 | try again.                        | 11
12 |                                     | 12
13 |                                     | 13
14 |                                     | 14
15 |                                     | 15
16 | May I help you with something else? | 16
17 |                                     | 17
18 | +-----+      +-----+      +-----+ | 18
19 | | Yes |      | No |      | EXIT | | 19
20 | +-----+      +-----+      +-----+ | 20
+-----+
```

Screen Transition: See Figure 3-8.

Screen WN5638. Can't Use Linked Credit Card For Cash - Off-Us

```

1111111111222222222233333333334
123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 | I'm sorry.                         | 5
6 | I can't give you cash when you    | 6
7 | are using this card.              | 7
8 |                                   | 8
9 |                                   | 9
10|                                   | 10
11|                                   | 11
12|                                   | 12
13|                                   | 13
14|                                   | 14
15|                                   | 15
16| May I help you with something else? | 16
17|                                   | 17
18| +-----+ +-----+ +-----+ | 18
19| | Yes | | No | | EXIT | | 19
20| +-----+ +-----+ +-----+ | 20
+-----+

```

Screen Transition: See Figure 3-6.

STR 45089-S
STR 44421-S
STR 46427-S

Screen WN5638a. Can't Use Linked Credit Card For Cash - On-Us

111111111122222222223333333334
1234567890123456789012345678901234567890

```

1 |-----+-----+-----+
2 |
3 |
4 |
5 | I'm sorry.
6 | I can't give you cash from your
7 | XXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXX
8 | when you are using your Citicard.
9 |
10 | In order to get a cash advance from
11 | this account, please start over using
12 | your XXXXXXXXXXXX.
13 |
14 |
15 |
16 | May I help you with something else?
17 |
18 | +-----+ +-----+ +-----+
19 | | Yes | | No | | EXIT |
20 | +-----+ +-----+ +-----+
  
```

acct_desc11/acct_no11
acct_desc22

Standard Data Elements

| Data Name | I/O | Format | L-R-V | Comments |
|-------------|-----|--------|-------|--|
| acct_desc11 | O | X(11) | V | Display one of the following based on the optional Product Category Code element returned in the profile: 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" |
| acct_no11 | O | X(22) | V | Display Account Number from Message 4201 Response. |

STR 44421-S
STR 44649-S
STR 45089-S

Standard Data Elements: Screen WN5638a (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|--|
| acct_desc22 | O | X(11) | V | Display one of the following based on the optional Product Category Code element returned in the profile: 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" |

Screen Transition: See Figure 3-6.

STR 44649-S

Screen WN5640. Get Cash From Which Loan

```
1111111111222222222233333333334
1234567890123456789012345678901234567890

+-----+
1 |                                     | 1
2 | Where shall I get your cash?      | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 | +-----+                         | 6
7 | | Line of Credit                  | 7
8 | +-----+                         | 8
9 |                                     | 9
10 |                                    | 10
11 |                                    | 11
12 | +-----+                         | 12
13 | | Loan                           | 13
14 | +-----+                         | 14
15 |                                    | 15
16 |                                    | 16
17 |                                    | 17
18 |                                     | 18
19 |                                     | 19
20 |                                     | 20
+-----+
    | EXIT |
+-----+
```

Screen Transition: See Figure 3-1.

Screen WN5641. Get Cash From Which Linked Credit Card

| | |
|--|------------------------------|
| 1111111111222222222233333333334 | |
| 1234567890123456789012345678901234567890 | |
| 1 | + |
| 2 | Where shall I get your cash? |
| 3 | |
| 4 | |
| 5 | +-----+ |
| 6 | Visa |
| 7 | +-----+ |
| 8 | |
| 9 | +-----+ |
| 10 | MasterCard |
| 11 | +-----+ |
| 12 | |
| 13 | +-----+ |
| 14 | Diners Club |
| 15 | +-----+ |
| 16 | |
| 17 | |
| 18 | +-----+ |
| 19 | EXIT |
| 20 | +-----+ |
| | + |

Screen Transition: See Figure 3-1.

Screen WN5642. Get Cash From Which Savings

```
1111111111222222222233333333334
1234567890123456789012345678901234567890

+-----+
1 |                                     | 1
2 | Where shall I get your cash?      | 2
3 |                                     | 3
4 | +-----+                         | 4
5 | | Savings                         | 5
6 | +-----+                         | 6
7 | +-----+                         | 7
8 | | Money Market                    | 8
9 | +-----+                         | 9
10| +-----+                         | 10
11| | Time Deposits                   | 11
12| +-----+                         | 12
13| +-----+                         | 13
14| | Other                           | 14
15| +-----+                         | 15
16|                                     | 16
17|                                     | 17
18|                                     | 18
19|                                     | 19
20|                                     | 20
+-----+
    +-----+
    | EXIT |
    +-----+
```

Screen Transition: See Figure 3-1.

3.6 Processes

This section shows the processes defined for the Withdrawal application.

PRC WN5650. Determine Amounts

Look at the On-Us Cash Dispensing Algorithm table to determine the four or eight amounts that have been designated as the ICC amounts to display for the selected currency.

These amounts vary based on the status of the cash cassettes (the bill denominations actually available).

The amount should be displayed in the appropriate format for the currency, based on the currency code of the bills loaded.

Screen Transition: See Figure 3-2.

PRC WN5651. Currency Decision

Determine what cash currencies are available for dispense based on the currencies loaded in the CAT, the status of the cash cassettes, and the list of currencies specified for ICC. Set variables to display on cash selection screen(s).

See Table 3-1 for the appropriate settings for these variables. If a particular currency is supported, its choice on the menu should appear in the order specified in the Cash Dispensing Mechanism (CDM) configuration.

Screen Transition: See Figure 3-7.

Chapter 4

Balance Inquiry

The Balance Inquiry application provides balance information for specific account types at the customer's request.

This chapter covers the following:

- Supported ESP Messages (Section 4.1)
- Processing Overview (Section 4.2)
- Flowcharts (Section 4.3)
- Special Tables (Section 4.4)
- Screens (Section 4.5)
- Processes (Section 4.6)

4.1 Supported ESP Messages

The Balance Inquiry application uses ESP messages.

| Message ID | Message Description |
|-------------|---------------------------------------|
| 4501 | Balance Inquiry |
| 4502 | Transaction Journal Inquiry |
| 4604/X11FC* | Profile with Balance/Citicard Summary |

NOTE

The Profile message is sent in Product Select, and therefore does not appear in the flowcharts of this chapter. The responses, however, are handled throughout this chapter. Therefore, the message is included above.

The SFS Function Code is determined from the Message ID and the SFS Function Code offset from Message 4117. For ICC Balance Inquiry and TJ Inquiry, this is 4541 and 4542. For Off-Us Balance Inquiry and TJ Inquiry, this is 4561 and 4562.

4.2 Processing Overview

The following provides the Balance Inquiry processing overview:

- Select Product Category.
- Check the profile to determine if the customer has an account of the selected Product Category.
- Select an account. If there is more than one account of the selected Product Category, display account resolver screens.
- Send Off-Us Account Balance Inquiry (FC4501).
- If the inquiry was successful and a balance was received, queue the BN Transaction record, and display an appropriate balance screen based on account selected and data returned.
- If the selected account supports Transaction Journal (TJ), offer the customer the choice to see this information and to print it out.
- If the balance inquiry was not successful, display one of the standard error screens.

4.3 Flowcharts

This section shows the flowcharts for the Balance Inquiry application.

Unless otherwise specified, pressing the **EXIT** key on any screen activates Screen 5552 in the Product Select application.

Similarly, timeouts transition to the standard "Timeout" routine in Common Screens and Procedures.

Balance Inquiry

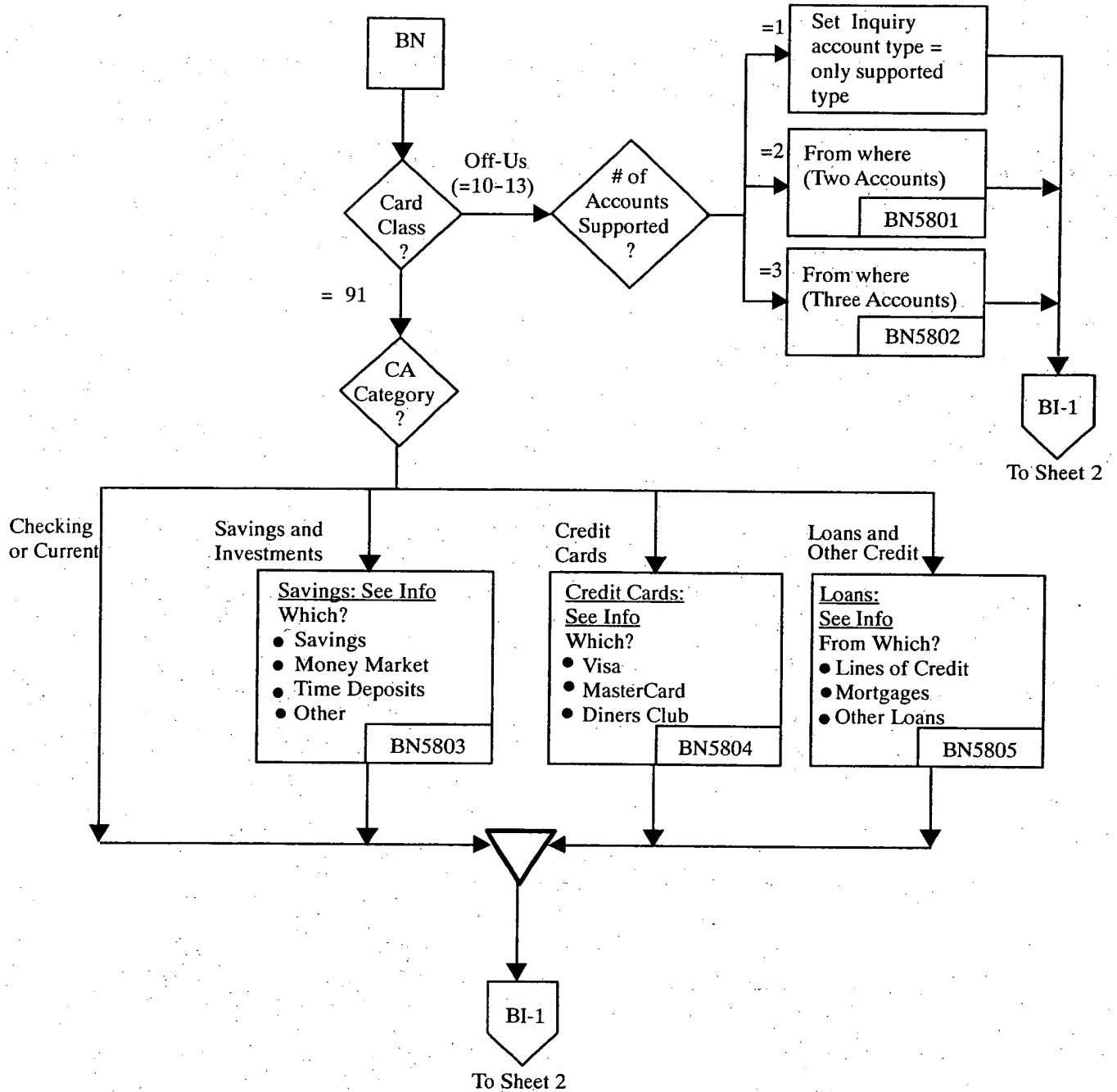


Figure 4-1. Category Menus to Choose Account (Sheet 1 of 7)

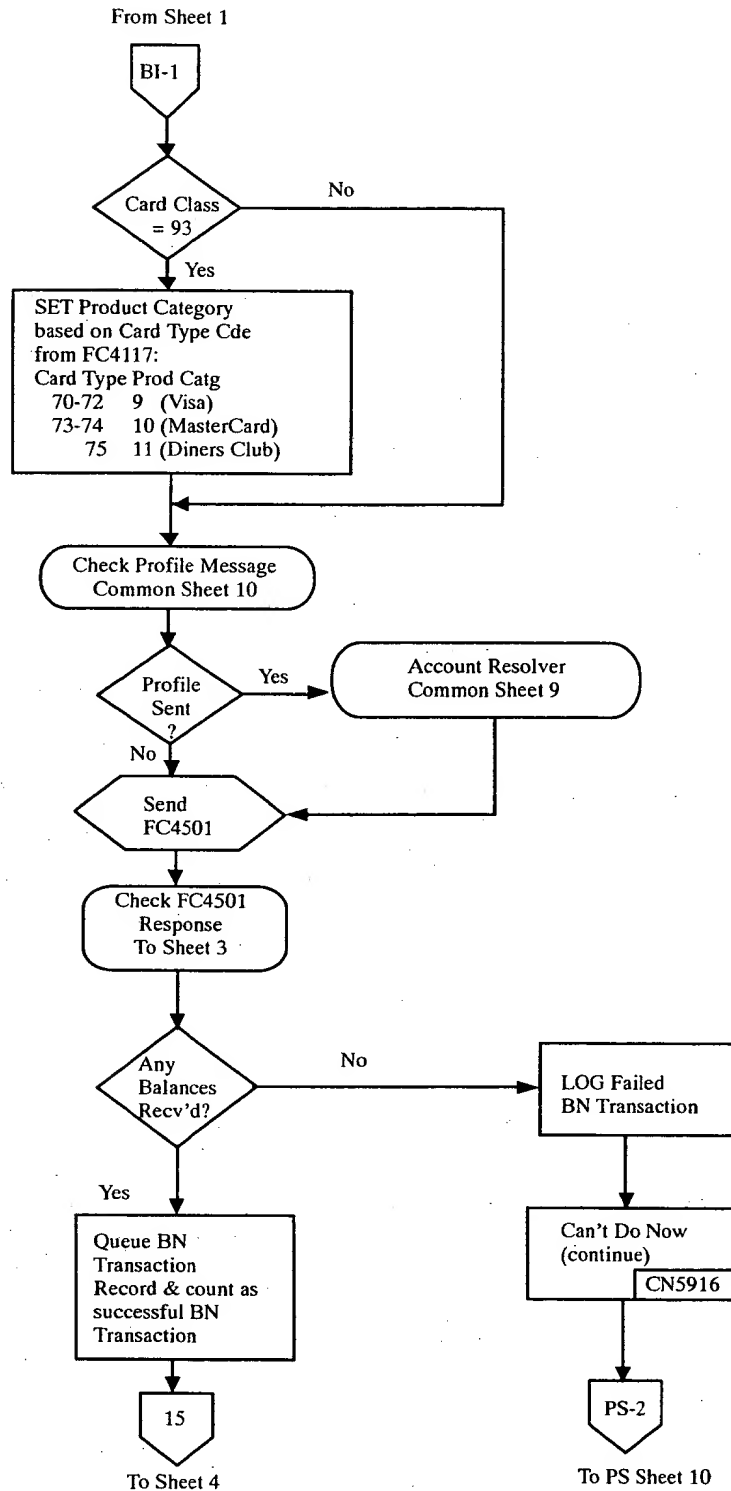


Figure 4-2. Show Balance Detail (Sheet 2 of 7)

STR 46745-S

Balance Inquiry

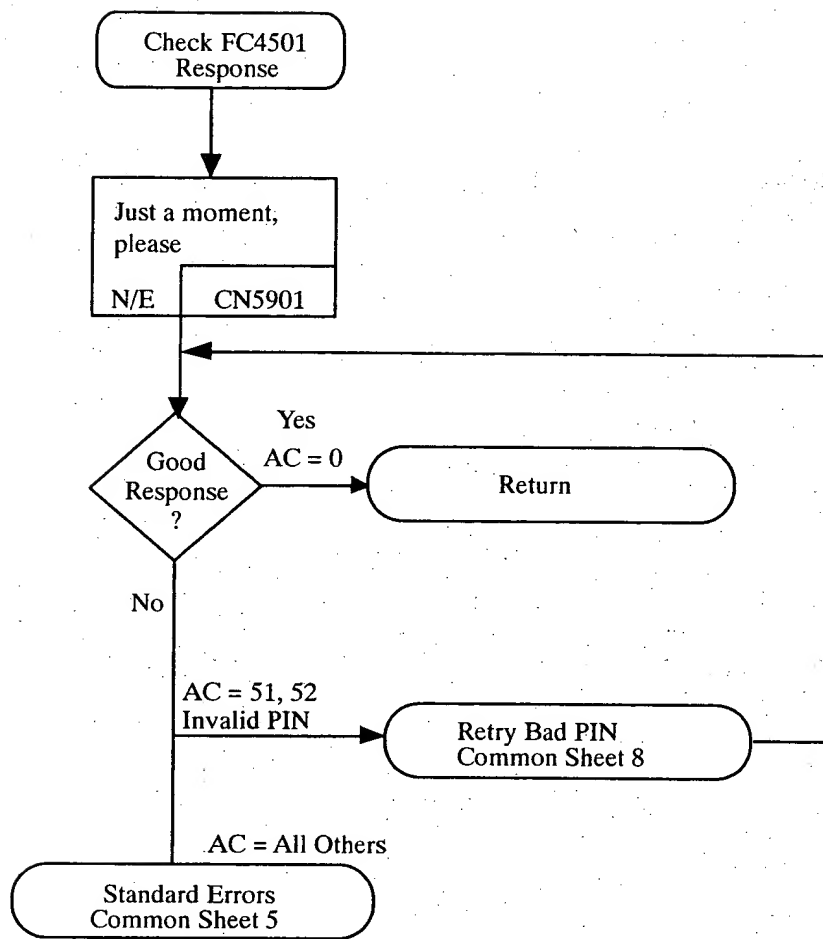


Figure 4-3. Check FC4501 Response (Sheet 3 of 7)

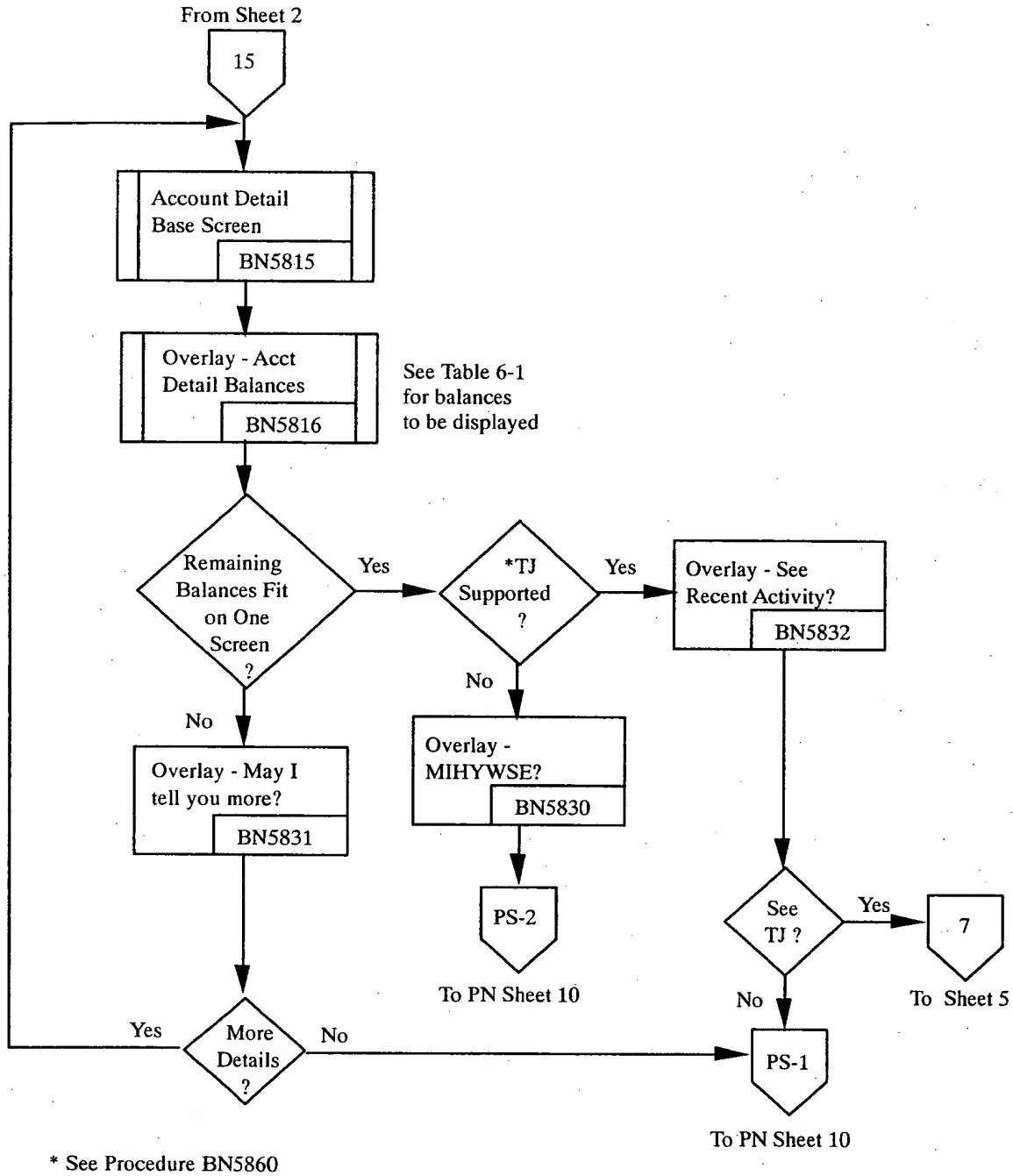
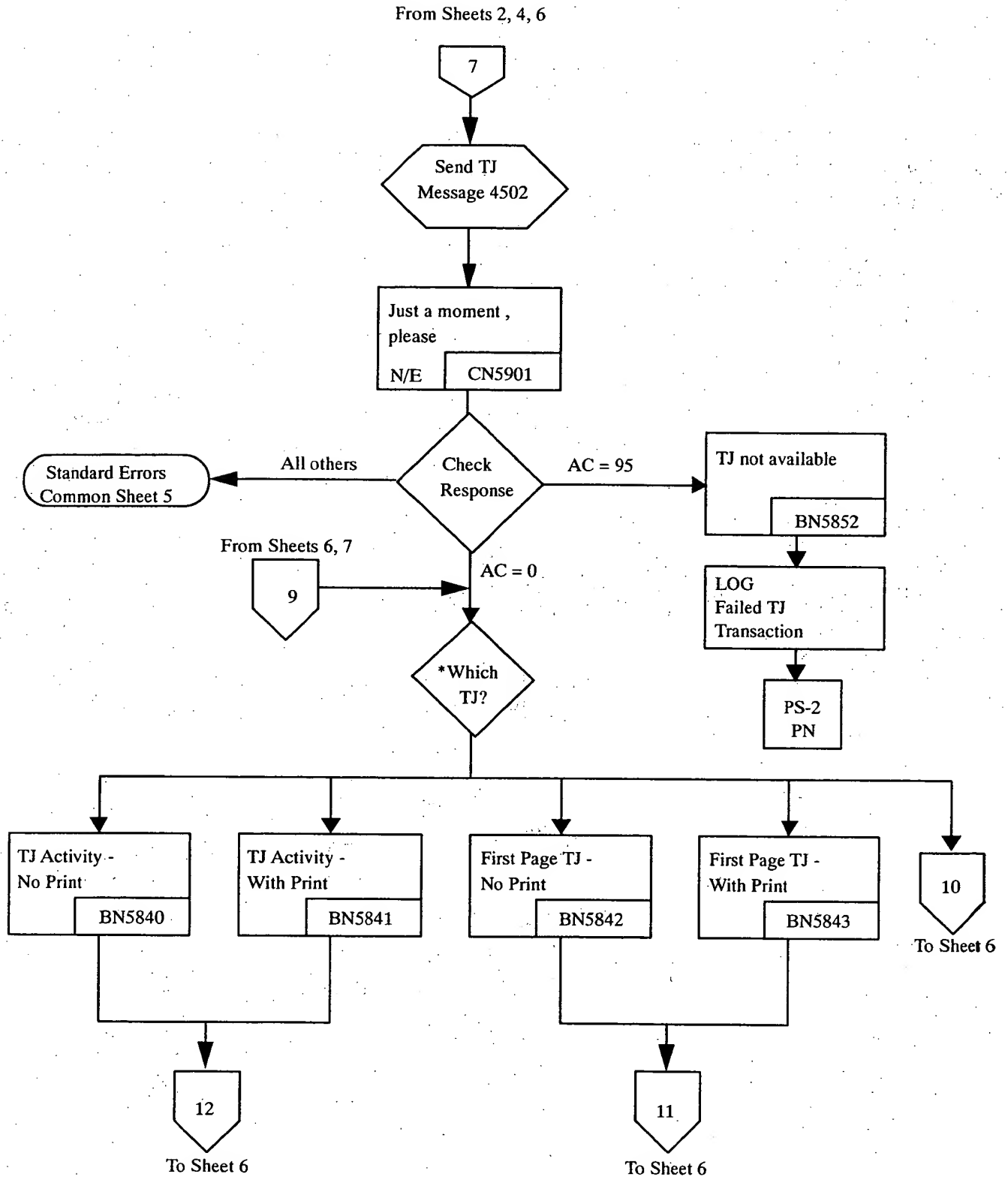


Figure 4-4. Prepare Detail Screen (Sheet 4 of 7)

Balance Inquiry



*See Table 4-1 for details.

Figure 4-5. TJ Information (Sheet 5 of 7)

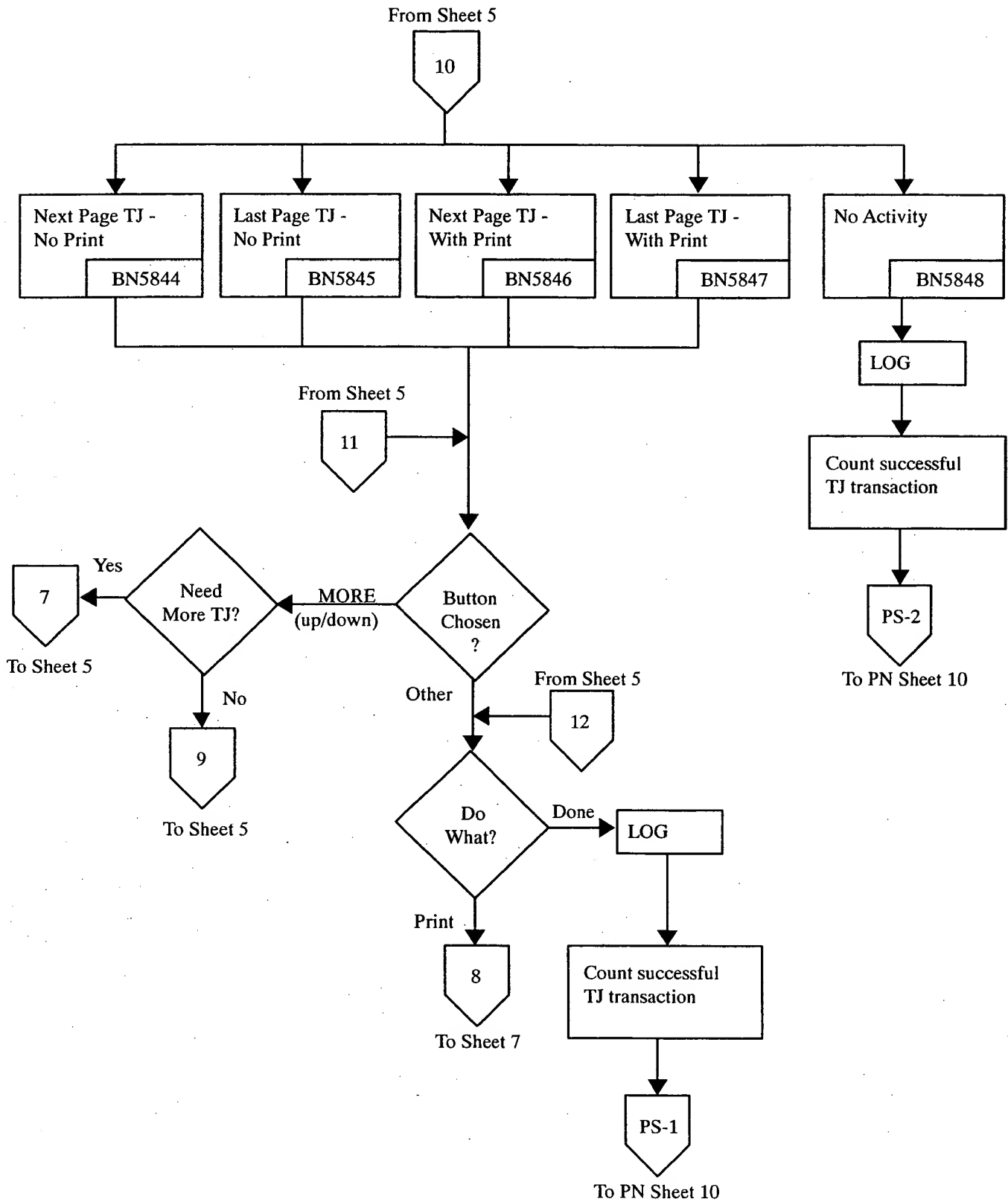


Figure 4-6. TJ Information - Continued (Sheet 6 of 7)

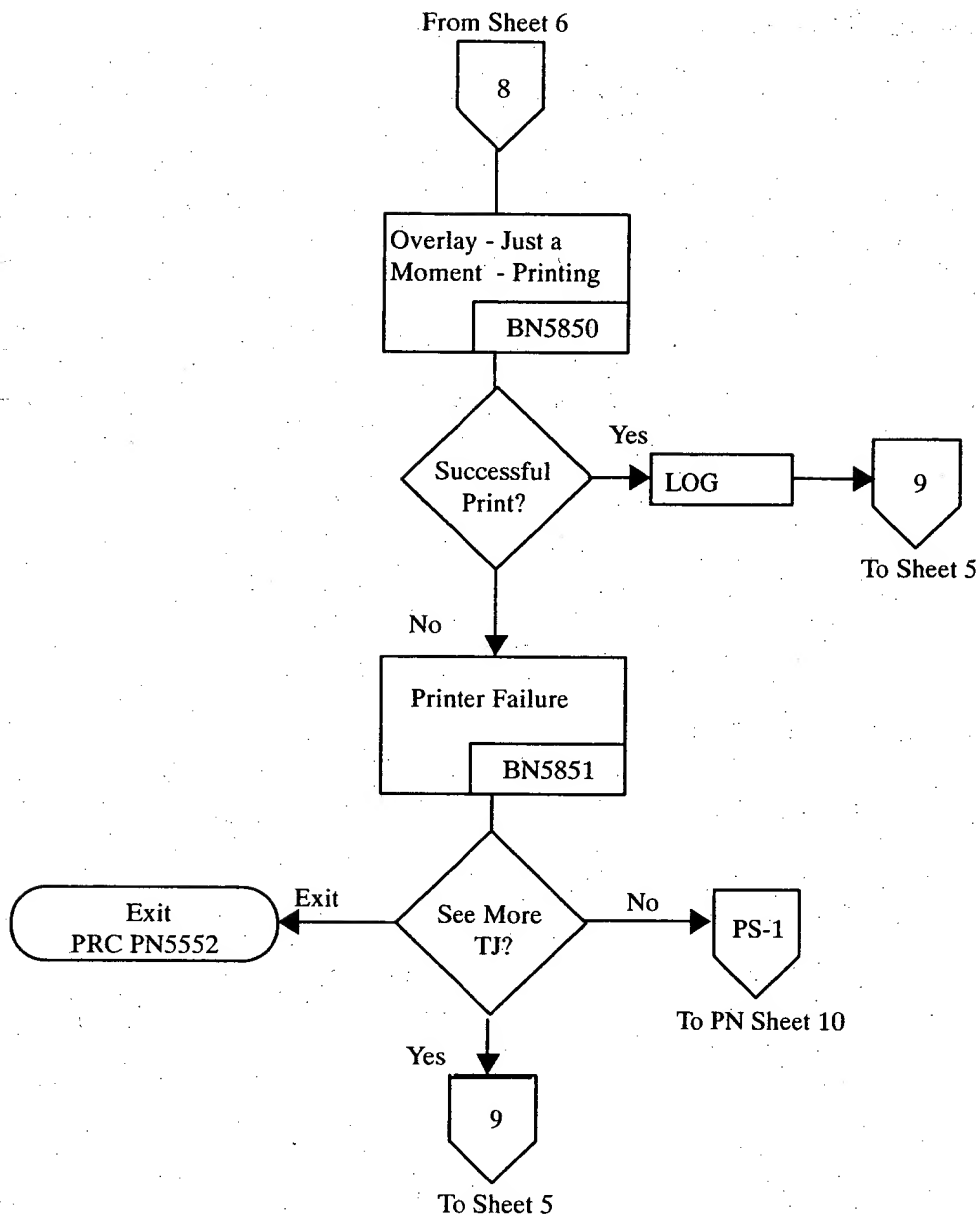


Figure 4-7. Print TJ Screen (Sheet 7 of 7)

4.4 Special Tables

This section shows the tables for the Balance Inquiry application.

Table 4-1. Recent Activity Screens

| Which Page of TJ | Printer Status | Screen | |
|------------------|----------------------|--------|---|
| | | No. | Name |
| Only | Down or Just Printed | BN5840 | Here Is Your Recent Activity - No Print |
| Only | Up | BN5841 | Here Is Your Recent Activity - With Print |
| Most Recent | Down or Just Printed | BN5842 | Here is Your First Page of TJ Activity - No Print |
| Most Recent | Up | BN5843 | Here is Your First Page of TJ Activity - With Print |
| Earlier/Later | Down or Just Printed | BN5844 | Here is Your Next Page of TJ Activity - No Print |
| Earlier/Later | Up | BN5846 | Here is Your Next Page of TJ Activity - With Print |
| Earliest | Down or Just Printed | BN5845 | Here is Your Last Page of TJ Activity - No Print |
| Earliest | Up | BN5847 | Here is Your Last Page of TJ Activity - With Print |
| No Activity | Up or Down | BN5848 | There is No Recent Activity |

Note

After a successful transaction journal print, go to the transaction journal screen that displays the same TJ data without the print button. After an unsuccessful transaction journal print, when the customer chooses to see more activity, go to the TJ screen that displays the same TJ data without the print button.

Table 4-2. TJ Transaction Description Codes

When using Message ID 4502 (Transaction Journal Inquiry), a Transaction Description Code may be sent back as part of the Transaction Journal Table, instead of a Transaction Description.

If a Transaction Description Code is returned, the TJ detail will always be in the session language. If Transaction Descriptions are returned, then the detail will be in the language sent. Since the extensions can only be sent as text, they cannot be translated into pictographic characters.

Up to two lines of text per transaction item are supported. The Transaction Description and the extension will be concatenated and put on one line when possible. If they cannot fit on one line, then the extension will be moved in its entirety to the second line.

The Transaction Descriptor Code Numbers and the English language text that each corresponds to are shown in the table shown below. For non-pictographic languages, a maximum of 25 characters is allowed for the Descriptor Text. More information regarding how TJ screens are built is found in PRC BN5861.

| Code Number | Descriptor Text X(25) | Code Number | Descriptor Text X(25) |
|-------------|---------------------------|-------------|-----------------------------|
| 001 | Deposit | 015 | Payment To Diners Card |
| 002 | Got Cash | 016 | Payment To Credit |
| 003 | Cash Advance | 017 | Payment From |
| 004 | Credit Cash Advance | 018 | Pay From Checking/Current |
| 005 | Check | 019 | Payment From Savings |
| 006 | Purchase | 020 | Payment From Money Market |
| 007 | Credit Purchase | 021 | Payment From Time Deposit |
| 008 | Payment | 022 | Pay From Savings/Investment |
| 009 | Payment To | 023 | Pay From Line of Credit |
| 010 | Payment To Line of Credit | 024 | Payment From Visa |
| 011 | Payment To Mortgage | 025 | Payment From MasterCard |
| 012 | Payment To Loan | 026 | Payment From Diners Club |
| 013 | Payment To Visa | 027 | Payment From Credit |
| 014 | Payment To MasterCard | 028 | Transfer To |

Table 4-2. TJ Transaction Description Codes (cont)

| Code Number | Descriptor Text X(25) | Code Number | Descriptor Text X(25) |
|-------------|--------------------------------|-------------|-----------------------|
| 029 | Transfer To Checking/Current | 045 | Transfer Out |
| 030 | Transfer To Savings | 046 | Other Credit |
| 031 | Transfer To Money Market | 047 | Other Debit |
| 032 | Transfer To Time Deposit | 048 | Return |
| 033 | Transfer From | 049 | Interest Paid |
| 034 | Transfer From Checking/Current | 050 | Interest Charged |
| 035 | Transfer From Savings | 051 | Interest |
| 036 | Transfer From Money Market | 052 | Late Payment Fee |
| 037 | Transfer From Time Deposit | 053 | Service Charge |
| 038 | Transfer From Savings/Invest | 054 | Finance Charge |
| 039 | Transfer From Line of Credit | 055 | Cash Advance Fee |
| 040 | Transfer From Visa | 056 | Annual Fee |
| 041 | Transfer From MasterCard | 057 | Other Fee |
| 042 | Transfer From Diners Club | 058 | Profit |
| 043 | Transfer From Credit | 059 | Markup |
| 044 | Transfer In | All Others | Other Transaction |

STR 45133-S

STR 44813-S

4.5 Screens

This section shows the screens and standard data elements for the Balance Inquiry application.

Screen BN5801. Which (Two Accounts) - Off-Us

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 | Which may I tell you about?       | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 | +-----+                         | 6
7 | |XXXXXXXX|                         | 7 acct_desc5
8 | +-----+                         | 8
9 |                                     | 9
10 |                                    | 10
11 |                                    | 11
12 | +-----+                         | 12
13 | |XXXXXXXX|                         | 13 acct_desc5
14 | +-----+                         | 14
15 |                                    | 15
16 |                                    | 16
17 |                                    | 17
18 |                                     | 18
19 |                                     | 19
20 |                                     | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|---------------------|-----|--------|---------|--|
| acct_desc5 (1-2) | O | X(8) | V | Display one of the following based on the inquiry account type supported: 001 - "Checking" 004 - "Savings" 014 - "Credit" |

Screen Transition: See Figure 4-1.

Comments: Display in the order: Checking, Savings, Credit.

The list of appropriate Product Type Codes comes from the Transaction Support Specification element of the response Message 4117 for the inquiry transaction.

Messages to/from ESPs: Send FC4501.

STR 48212-S

Screen BN5802. Which (Three Accounts) - Off-Us

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1|                                     | 1
2| Which may I tell you about?       | 2
3|                                     | 3
4|                                     | 4
5| +-----+                         | 5
6| |Checking|                         | 6
7| +-----+                         | 7
8|                                     | 8
9| +-----+                         | 9
10| |Savings|                         | 10
11| +-----+                         | 11
12|                                     | 12
13| +-----+                         | 13
14| |Credit|                         | 14
15| +-----+                         | 15
16|                                     | 16
17|                                     | 17
18|                                     | 18
19|                                     | 19
20|                                     | 20
+-----+

```

Screen Transition: See Figure 4-1.

Comments: The list of appropriate Product Type Codes comes from the Transaction Support Specification element of the response Message 4117 for the inquiry transaction.

Messages to/from ESPs: Send FC4501.

Screen BN5803. Savings Menu - Balance Inquiry

```
1111111111222222222233333333334
1234567890123456789012345678901234567890

+-----+
1 |          | 1
2 | Which may I tell you about? | 2
3 |          | 3
4 | +-----+ | 4
5 | Savings | 5
6 | +-----+ | 6
7 | +-----+ | 7
8 | Money Market | 8
9 | +-----+ | 9
10 | +-----+ | 10
11 | Time Deposits | 11
12 | +-----+ | 12
13 | +-----+ | 13
14 | Other | 14
15 | +-----+ | 15
16 |          | 16
17 |          | 17
18 |          | 18
19 |          | 19
20 |          | 20
+-----+
+-----+
| EXIT |
+-----+
```

Screen Transition: See Figure 4-1.

Screen BN5804. Credit Cards Menu - Balance Inquiry

```
111111111122222222223333333334
1234567890123456789012345678901234567890

+-----+
1|                                     |1
2| Which may I tell you about?       |2
3|                                     |3
4|                                     |4
5| +-----+                         |5
6| |Visa                             |6
7| +-----+                         |7
8|                                     |8
9| +-----+                         |9
10| |Mastercard                      |10
11| +-----+                         |11
12|                                     |12
13| +-----+                         |13
14| |Diners Club                     |14
15| +-----+                         |15
16|                                     |16
17|                                     |17
18|                                     |18
19|                                     |19
20|                                     |20
+-----+
      | EXIT |
+-----+
```

Screen Transition: See Figure 4-1.

Screen BN5805. Credit/Loans Menu - Balance Inquiry

```

111111111112222222222223333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 | Which may I tell you about?      | 2
3 |                                   | 3
4 |                                   | 4
5 | +-----+                        | 5
6 | Lines of Credit                   | 6
7 | +-----+                        | 7
8 |                                   | 8
9 | +-----+                        | 9
10| Mortgages                         | 10
11| +-----+                        | 11
12|                                   | 12
13| +-----+                        | 13
14| Other Loans                       | 14
15| +-----+                        | 15
16|                                   | 16
17|                                   | 17
18|                                   | 18
19|                                   | 19
20|                                   | 20
    EXIT

```

Screen Transition: See Figure 4-1.

Screen BN5815. Product Detail Base Screen

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 | Here is your XXXXXXXXXXXXXXXXXXXX | 1 acct_desc6/punct3
2 | XXXXXXXXXXXXXXXXXXXXXXXXXXXX      | 2 acct_no6/punct4
3 |                                   | 3
4 |                                   | 4
5 |                                   | 5
6 |                                   | 6
7 |                                   | 7
8 |                                   | 8
9 |                                   | 9
10|                                   | 10
11|                                   | 11
12|                                   | 12
13|                                   | 13
14|                                   | 14
15|                                   | 15
16|                                   | 16
17|                                   | 17
18|                                   | 18
19|                                   | 19
20|                                   | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|--------|---------|---|
| acct_desc6 | O | X(18) | V | <p>If the Card Class Code is ICC 91 or 93, display one of the following based on the optional Product Category Code element returned in the profile:</p> <ul style="list-style-type: none"> 1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 4 - "Time Deposit" 5 - "Savings/Investment" 6 - "Line of Credit" 7 - "Mortgage" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" |

STR 44648-S

STR 44649-S

Standard Data Elements: Screen BN5815 (cont)

| Data Name | I/O | Format | L-R-V | Comments |
|-----------|-----|--------|-------|----------|
|-----------|-----|--------|-------|----------|

For Card Class 93, if no profile has been received, then use the CAT Card Type Code to determine which to display:

| Code | Display |
|---------|-----------------|
| 070-072 | - "Visa" |
| 073-074 | - "MasterCard" |
| 075 | - "Diners Club" |

Else, if the Card Class Code is Off-Us 10 - Off-Us 13, then display one of following based on the optional Product Type Code element returned in the response to FC4501, if present, or otherwise based on the Product Type Code in the request:

| | |
|-----|--------------|
| 001 | - "Checking" |
| 004 | - "Savings" |
| 014 | - "Credit" |

| | | | | |
|----------|---|-------|---|--|
| punct3 | O | X(1) | V | For ICC Cards 91 and 93, leave blank. For Off-Us cards, display ":". |
| acct_no6 | O | X(22) | V | Display Account Number from Message 4501 Response. For Off-Us cards, leave blank. |
| punct4 | O | X(1) | V | For ICC Cards 91 and 93, display ":". For Off-Us cards, leave blank. |

Screen Transition: See Figure 4-4.

STR 44464-S
STR 45217-S
STR 45144-S
STR 44537-S
STR 44476-S
STR 46726-S

Overlay BN5816.Product Detail Base Screen

| | |
|--|--------------------------|
| 111111111122222222223333333334 | |
| 1234567890123456789012345678901234567890 | |
| 1 | 1 |
| 2 | 2 |
| 3 | 3 |
| 4 | 4 new_bal3/bal_txt3a |
| 5 | 5 bal_txt3b (not shown) |
| 6 | 6 new_bal4/bal_txt4a |
| 7 | 7 bal_txt4b (not shown) |
| 8 | 8 new_bal5/bal_txt5a |
| 9 | 9 bal_txt5b (not shown) |
| 10 | 10 new_bal6/bal_txt6a |
| 11 | 11 bal_txt6b (not shown) |
| 12 | 12 new_bal7/bal_txt7a |
| 13 | 13 bal_txt7b (not shown) |
| 14 | 14 new_bal8/bal_txt8a |
| 15 | 15 |
| 16 | 16 |
| 17 | 17 |
| 18 | 18 |
| 19 | 19 |
| 20 | 20 |

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|----------------------|-----|------------|---------|--|
| new_balN (N=3-8) | O | X(25) / \$ | R | Display balances received from Message 4501 in the order that they are shown in Common NO TAG. Format the currencies based on the currency code in the message. When all of the balances received are in the same currency, the currency indicators should appear only on the first line of the first overlay. |
| bal_txtNa (N=3-8) | O | X(24) | L | See Comments below. |

STR 45217-S

STR 45141-S

Standard Data Elements: Overlay BN5816 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|----------------------|-----|--------|---------|--|
| bal_txtMb (M=3-7) | O | X(24) | L | This field is to be used if a second line of text is required to display the complete balance descriptor. If it is not used, then leave it blank and move up the line of text below it, always leaving a blank line of text between each balance/descriptor combination. |

Screen Transition: See Figure 4-4.

Comments: This overlay is used in conjunction with Screen BN5815 and Overlays BN5830, BN5831 or BN5832. The number of balances/descriptors shown on this Overlay (5) represents the maximum number of those that will fit on a screen.

Text descriptors to be used on this Overlay are found in Common NO TAG. Additional layout information is found in Common NO TAG.

See Process PRC BN5862 for a description of how the information on this overlay is built.

Overlay BN5830. May I Help You With Something Else

| 111111111122222222223333333334 | | |
|--|-------------------------------------|---------|
| 1234567890123456789012345678901234567890 | | |
| 1 | | 1 |
| 2 | | 2 |
| 3 | | 3 |
| 4 | | 4 |
| 5 | | 5 |
| 6 | | 6 |
| 7 | | 7 |
| 8 | | 8 |
| 9 | | 9 |
| 10 | | 10 |
| 11 | | 11 |
| 12 | | 12 |
| 13 | | 13 |
| 14 | | 14 |
| 15 | | 15 |
| 16 | May I help you with something else? | |
| 17 | | 17 |
| 18 | +-----+ | +-----+ |
| 19 | Yes | No |
| 20 | +-----+ | +-----+ |

Screen Transition: See Figure 4-4.

Overlay BN5831.May I Tell You More

| 1111111111222222222233333333334 | | |
|--|----------------------|---------|
| 1234567890123456789012345678901234567890 | | |
| 1 | | 1 |
| 2 | | 2 |
| 3 | | 3 |
| 4 | | 4 |
| 5 | | 5 |
| 6 | | 6 |
| 7 | | 7 |
| 8 | | 8 |
| 9 | | 9 |
| 10 | | 10 |
| 11 | | 11 |
| 12 | | 12 |
| 13 | | 13 |
| 14 | | 14 |
| 15 | | 15 |
| 16 | May I tell you more? | |
| 17 | | 17 |
| 18 | +-----+ | +-----+ |
| 19 | Yes | No |
| 20 | +-----+ | +-----+ |

Screen Transition: See Figure 4-4.

Overlay BN5832. See Recent Activity

```

      111111111122222222223333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 |                                     | 6
7 |                                     | 7
8 |                                     | 8
9 |                                     | 9
10 |                                    | 10
11 |                                    | 11
12 |                                    | 12
13 |                                    | 13
14 |                                    | 14
15 |                                    | 15
16 | May I show you recent activity? | 16
17 |                                    | 17
18 | +-----+      +-----+      +-----+ | 18
19 | | Yes |      | No |      | EXIT | | 19
20 | +-----+      +-----+      +-----+ | 20
+-----+

```

Screen Transition: See Figure 4-4.

Screen BN5840. Here Is Your Recent Activity - No Print

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 | Here is recent activity I have for | 1
2 | your XXXXXXXXXXXXXXXXXXXXXXXX | 2 acct_desc12/punct1
3 | XXXXXXXXXXXXXXXXXXXXXXXXXXXX | 3 acct_no12/punct2
4 | | 4
5 | | 5
6 | | 6
7 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXX | 7 post_date/tx_typ_txt/TXN_AMT
8 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXX | 8 post_date/tx_typ_txt/TXN_AMT
9 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXX | 9 post_date/tx_typ_txt/TXN_AMT
10 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXX | 10 post_date/tx_typ_txt/TXN_AMT
11 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXX | 11 post_date/tx_typ_txt/TXN_AMT
12 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXX | 12 post_date/tx_typ_txt/TXN_AMT
13 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXX | 13 post_date/tx_typ_txt/TXN_AMT
14 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXX | 14 post_date/tx_typ_txt/TXN_AMT
15 | | 15
16 | | 16
17 | | 17
18 | | 18
19 | | 19
20 | | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|---|
| acct_desc12 | O | X(18) | V | <p>If the Card Class Code is ICC 91 or 93, display one of the following based on the optional Product Category Code element returned in the profile:</p> <ul style="list-style-type: none"> 1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 4 - "Time Deposit" 5 - "Savings/Investment" 6 - "Line of Credit" 7 - "Mortgage" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" |

STR 44815-S

Standard Data Elements: Screen BN5840 (cont)

| Data Name | I/O | Format | L-R-V | Comments |
|-----------|-----|--------|-------|---|
| | | | | <p>For Card Class 93, if no profile has been received, then use the CAT Card Type Code to determine which to display:</p> <p>070-072 - "Visa" 073-074 - "MasterCard" 075 - "Diners Club"</p> <p>Else, if the Card Class Code is Off-Us 10 - Off-Us 13, then display one of the following based on the optional Product Type Code element returned in the response to FC4502, if present, or otherwise based on the Product Type Code in the request:</p> <p>001 - "Checking" 004 - "Savings" 014 - "Credit"</p> |
| punct1 | O | X(1) | V | <p>For ICC Cards 91 and 93, leave blank.</p> <p>For Off-Us cards, display ":".</p> |
| acct_no12 | O | X(22) | V | <p>Display Account Number from Message 4501 Response.</p> <p>For Off-Us cards, leave blank.</p> |
| punct2 | O | X(1) | V | <p>For ICC Cards 91 and 93, display ":".</p> <p>For Off-Us cards, leave blank.</p> |
| post_date | O | X(5) | L | <p>Display a preformatted date, if received. Else, format the date received based on the session language as described in Appendix NO TAG.</p> |

STR 44464-S
STR 44475-S
STR 45144-S
STR 45345-S
STR 46726-S

Standard Data Elements: Screen BN5840 (cont)

| Data Name | I/O | Format | L-R-V | Comments |
|------------|-----|-----------|-------|--|
| tx_typ_txt | O | X(45) | L | Display transaction descriptor as described in Procedure PRC BN5861. |
| TXN_AMT | O | X(19) / Z | R | Display transaction amount as described in Procedure PRC BN5861. |

Screen Transition: See Figure 4-5.

Screen BN5841. Here Is Your Recent Activity - With Print

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 | Here is recent activity I have for | 1
2 | your XXXXXXXXXXXXXXXXXXXXXXXX | 2 acct_desc12/punct1
3 | XXXXXXXXXXXXXXXXXXXXXXXX | 3 acct_no12/punct2
4 | | 4
5 | | 5
6 | | 6
7 | XXXX XXXXXXXXXXXXXXXXXXXXXXXX | 7 post_date/tx_typ_txt/TXN_AMT
8 | XXXX XXXXXXXXXXXXXXXXXXXXXXXX | 8 post_date/tx_typ_txt/TXN_AMT
9 | XXXX XXXXXXXXXXXXXXXXXXXXXXXX | 9 post_date/tx_typ_txt/TXN_AMT
10 | XXXX XXXXXXXXXXXXXXXXXXXXXXXX | 10 post_date/tx_typ_txt/TXN_AMT
11 | XXXX XXXXXXXXXXXXXXXXXXXXXXXX | 11 post_date/tx_typ_txt/TXN_AMT
12 | XXXX XXXXXXXXXXXXXXXXXXXXXXXX | 12 post_date/tx_typ_txt/TXN_AMT
13 | XXXX XXXXXXXXXXXXXXXXXXXXXXXX | 13 post_date/tx_typ_txt/TXN_AMT
14 | XXXX XXXXXXXXXXXXXXXXXXXXXXXX | 14 post_date/tx_typ_txt/TXN_AMT
15 | | 15
16 | | 16
17 | | 17
18 | | 18
19 | | 19
20 | | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|---|
| acct_desc12 | O | X(18) | V | <p>If the Card Class Code is ICC 91 or 93, display one of the following based on the optional Product Category Code element returned in the profile:</p> <ul style="list-style-type: none"> 1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 4 - "Time Deposit" 5 - "Savings/Investment" 6 - "Line of Credit" 7 - "Mortgage" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" |

STR 44815-S

Standard Data Elements: Screen BN5841 (cont)

| Data Name | I/O | Format | L-R-V | Comments |
|-----------|-----|--------|-------|---|
| | | | | <p>For Card Class 93, if no profile has been received, then use the CAT Card Type Code to determine which to display:</p> <p>070-072 - "Visa" 073-074 - "MasterCard" 075 - "Diners Club"</p> <p>Else, if the Card Class Code is Off-Us 10 - Off-Us 13, then display one of the following based on the optional Product Type Code element returned in the response to FC4502, if present, or otherwise based on the Product Type Code in the request:</p> <p>001 - "Checking" 004 - "Savings" 014 - "Credit"</p> |
| punct1 | O | X(1) | V | <p>For ICC Cards 91 and 93, leave blank.</p> <p>For Off-Us cards, display ":".</p> |
| acct_no12 | O | X(22) | V | <p>Display Account Number from Message 4501 Response.</p> <p>For Off-Us cards, leave blank.</p> |
| punct2 | O | X(1) | V | <p>For ICC Cards 91 and 93, display ":".</p> <p>For Off-Us cards, leave blank.</p> |
| post_date | O | X(5) | L | <p>Display a preformatted date, if received. Else, format the date received based on the session language as described in Appendix NO TAG.</p> |

STR 44464-S
STR 44475-S
STR 45144-S
STR 45345-S
STR 46726-S

Standard Data Elements: Screen BN5841 (cont)

| Data Name | I/O | Format | L-R-V | Comments |
|------------|-----|-----------|-------|--|
| tx_typ_txt | O | X(45) | L | Display transaction descriptor as described in Procedure PRC BN5861. |
| TXN_AMT | O | X(19) / Z | R | Display transaction amount as described in Procedure PRC BN5861. |

Screen Transition: See Figure 4-5.

Screen BN5842. Here Is Your First Page Of TJ Activity - No Print

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 | Here is recent activity I have for | 1
2 | your XXXXXXXXXXXXXXXXXXXX | 2 acct_desc12/punct1
3 | XXXXXXXXXXXXXXXXXXXX | 3 acct_no12/punct2
4 | +-----+ | 4
5 | | MORE | | 5
6 | +-----+ | 6
7 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 7 post_date/tx_typ_txt/TXN_AMT
8 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 8 post_date/tx_typ_txt/TXN_AMT
9 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 9 post_date/tx_typ_txt/TXN_AMT
10 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 10 post_date/tx_typ_txt/TXN_AMT
11 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 11 post_date/tx_typ_txt/TXN_AMT
12 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 12 post_date/tx_typ_txt/TXN_AMT
13 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 13 post_date/tx_typ_txt/TXN_AMT
14 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 14 post_date/tx_typ_txt/TXN_AMT
15 | | | 15
16 | | | 16
17 | | | 17
18 | | | 18
19 | | DONE | | EXIT | | 19
20 | | | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|---|
| acct_desc12 | O | X(18) | V | <p>If the Card Class Code is ICC 91 or 93, display one of the following based on the optional Product Category Code element returned in the profile:</p> <ul style="list-style-type: none"> 1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 4 - "Time Deposit" 5 - "Savings/Investment" 6 - "Line of Credit" 7 - "Mortgage" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" |

STR 44815-S

Standard Data Elements: Screen BN5842 (cont)

| Data Name | I/O | Format | L-R-V | Comments |
|-----------|-----|--------|-------|---|
| | | | | <p>For Card Class 93, if no profile has been received, then use the CAT Card Type Code to determine which to display:</p> <p>070-072 - "Visa" 073-074 - "MasterCard" 075 - "Diners Club"</p> <p>Else, if the Card Class Code is Off-Us 10 - Off-Us 13, then display one of the following based on the optional Product Type Code element returned in the response to FC4502, if present, or otherwise based on the Product Type Code in the request:</p> <p>001 - "Checking" 004 - "Savings" 014 - "Credit"</p> |
| punct1 | O | X(1) | V | <p>For ICC Cards 91 and 93, leave blank.</p> <p>For Off-Us cards, display ":".</p> |
| acct_no12 | O | X(22) | V | <p>Display Account Number from Message 4501 Response.</p> <p>For Off-Us cards, leave blank.</p> |
| punct2 | O | X(1) | V | <p>For ICC Cards 91 and 93, display ":".</p> <p>For Off-Us cards, leave blank.</p> |
| post_date | O | X(5) | L | <p>Display a preformatted date, if received. Else, format the date received based on the session language as described in Appendix NO TAG.</p> |

STR 44464-S
STR 44475-S
STR 45144-S
STR 45345-S
STR 46726-S

Standard Data Elements: Screen BN5842 (cont)

| Data Name | I/O | Format | L-R-V | Comments |
|------------|-----|-----------|-------|--|
| tx_typ_txt | O | X(45) | L | Display transaction descriptor as described in Procedure PRC BN5861. |
| TXN_AMT | O | X(19) / Z | R | Display transaction amount as described in Procedure PRC BN5861. |

Screen Transition: See Figure 4-5.

Screen BN5843. Here Is Your First Page Of TJ Activity - With Print

```

11111111111222222222233333333334
123456789012345678901234567890
+-----+
1| Here is recent activity I have for      | 1
2| your XXXXXXXXXXXXXXXXXXXXXXXX          | 2 acct_desc12/punct1
3| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX        | 3 acct_no12/punct2
4| +-----+                               | 4
5| | MORE |                               | 5
6| +-----+                               | 6
7| XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 7 post_date/tx_typ_txt/TXN_AMT
8| XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 8 post_date/tx_typ_txt/TXN_AMT
9| XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 9 post_date/tx_typ_txt/TXN_AMT
10| XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 10 post_date/tx_typ_txt/TXN_AMT
11| XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 11 post_date/tx_typ_txt/TXN_AMT
12| XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 12 post_date/tx_typ_txt/TXN_AMT
13| XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 13 post_date/tx_typ_txt/TXN_AMT
14| XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 14 post_date/tx_typ_txt/TXN_AMT
15|                                         | 15
16|                                         | 16
17|                                         | 17
18|                                         | 18
19|                                         | 19
20|                                         | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|---|
| acct_desc12 | O | X(18) | V | <p>If the Card Class Code is ICC 91 or 93, display one of the following based on the optional Product Category Code element returned in the profile:</p> <ul style="list-style-type: none"> 1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 4 - "Time Deposit" 5 - "Savings/Investment" 6 - "Line of Credit" 7 - "Mortgage" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" |

STR 44815-S

Standard Data Elements: Screen BN5843 (cont)

| Data Name | I/O | Format | L-R-V | Comments |
|-----------|-----|--------|-------|---|
| | | | | <p>For Card Class 93, if no profile has been received, then use the CAT Card Type Code to determine which to display:</p> <p>070-072 - "Visa"</p> <p>073-074 - "MasterCard"</p> <p>075 - "Diners Club"</p> <p>Else, if the Card Class Code is Off-Us 10 - Off-Us 13, then display one of the following based on the optional Product Type Code element returned in the response to FC4502, if present, or otherwise based on the Product Type Code in the request:</p> <p>001 - "Checking"</p> <p>004 - "Savings"</p> <p>014 - "Credit"</p> |
| punct1 | O | X(1) | V | For ICC Cards 91 and 93, leave blank. |
| | | | | For Off-Us cards, display ":". |
| acct_no12 | O | X(22) | V | Display Account Number from Message 4501 Response. |
| | | | | For Off-Us cards, leave blank. |
| punct2 | O | X(1) | V | For ICC Cards 91 and 93, display ":". |
| | | | | For Off-Us cards, leave blank. |
| post_date | O | X(5) | L | Display a preformatted date, if received. Else, format the date received based on the session language as described in Appendix NO TAG. |

STR 44464-S
 STR 44475-S
 STR 45144-S
 STR 45345-S
 STR 46726-S

Standard Data Elements: Screen BN5843 (cont)

| Data Name | I/O | Format | L-R-V | Comments |
|------------|-----|-----------|-------|--|
| tx_typ_txt | O | X(45) | L | Display transaction descriptor as described in Procedure PRC BN5861. |
| TXN_AMT | O | X(19) / Z | R | Display transaction amount as described in Procedure PRC BN5861. |

Screen Transition: See Figure 4-5.

Screen BN5844. Here Is Your Next Page Of TJ Activity - No Print

```

1111111111222222222233333333334
123456789012345678901234567890
+-----+
1 | Here is recent activity I have for | 1
2 | your XXXXXXXXXXXXXXXXXXXX | 2 acct_desc12/punct1
3 | XXXXXXXXXXXXXXXXXXXX | 3 acct_no12/punct2
4 | +-----+ | 4
5 | | MORE | | 5
6 | +-----+ | 6
7 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXX | 7 post_date/tx_typ_txt/TXN_AMT
8 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXX | 8 post_date/tx_typ_txt/TXN_AMT
9 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXX | 9 post_date/tx_typ_txt/TXN_AMT
10 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXX | 10 post_date/tx_typ_txt/TXN_AMT
11 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXX | 11 post_date/tx_typ_txt/TXN_AMT
12 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXX | 12 post_date/tx_typ_txt/TXN_AMT
13 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXX | 13 post_date/tx_typ_txt/TXN_AMT
14 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXX | 14 post_date/tx_typ_txt/TXN_AMT
15 | +-----+ | 15
16 | | MORE | | 16
17 | +-----+ | 17
18 | | | +-----+ +-----+ | 18
19 | | | DONE | | EXIT | | 19
20 | | | +-----+ +-----+ | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|---|
| acct_desc12 | O | X(18) | V | <p>If the Card Class Code is ICC 91 or 93, display one of the following based on the optional Product Category Code element returned in the profile:</p> <ul style="list-style-type: none"> 1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 4 - "Time Deposit" 5 - "Savings/Investment" 6 - "Line of Credit" 7 - "Mortgage" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" |

STR 44815-S

Standard Data Elements: Screen BN5844 (cont)

| Data Name | I/O | Format | L-R-V | Comments |
|-----------|-----|--------|-------|---|
| | | | | <p>For Card Class 93, if no profile has been received, then use the CAT Card Type Code to determine which to display:</p> <p>070-072 - "Visa" 073-074 - "MasterCard" 075 - "Diners Club"</p> <p>Else, if the Card Class Code is Off-Us 10 - Off-Us 13, then display one of the following based on the optional Product Type Code element returned in the response to FC4502, if present, or otherwise based on the Product Type Code in the request:</p> <p>001 - "Checking" 004 - "Savings" 014 - "Credit"</p> |
| punct1 | O | X(1) | V | <p>For ICC Cards 91 and 93, leave blank.</p> <p>For Off-Us cards, display ":".</p> |
| acct_no12 | O | X(22) | V | <p>Display Account Number from Message 4501 Response.</p> <p>For Off-Us cards, leave blank.</p> |
| punct2 | O | X(1) | V | <p>For ICC Cards 91 and 93, display ":".</p> <p>For Off-Us cards, leave blank.</p> |
| post_date | O | X(5) | L | <p>Display a preformatted date, if received. Else, format the date received based on the session language as described in Appendix NO TAG.</p> |

STR 44464-S
STR 44475-S
STR 45144-S
STR 45345-S
STR 46726-S

Standard Data Elements: Screen BN5844 (cont)

| Data Name | I/O | Format | L-R-V | Comments |
|------------|-----|---------|-------|--|
| tx_typ_txt | O | X(45) | L | Display transaction descriptor as described in Procedure PRC BN5861. |
| TXN_AMT | O | X(19)/Z | R | Display transaction amount as described in Procedure PRC BN5861. |

Screen Transition: See Figure 4-6.

Screen BN5845. Here Is Your Last Page Of TJ Activity - No Print

```

1111111111222222222233333333334
123456789012345678901234567890
+-----+
1 | Here is recent activity I have for | 1
2 | your XXXXXXXXXXXXXXXXXXXX | 2 acct_desc12/punct1
3 | XXXXXXXXXXXXXXXXXXXX | 3 acct_no12/punct2
4 | | 4
5 | | 5
6 | | 6
7 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXX | 7 post_date/tx_typ_txt/TXN_AMT
8 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXX | 8 post_date/tx_typ_txt/TXN_AMT
9 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXX | 9 post_date/tx_typ_txt/TXN_AMT
10 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXX | 10 post_date/tx_typ_txt/TXN_AMT
11 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXX | 11 post_date/tx_typ_txt/TXN_AMT
12 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXX | 12 post_date/tx_typ_txt/TXN_AMT
13 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXX | 13 post_date/tx_typ_txt/TXN_AMT
14 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXX | 14 post_date/tx_typ_txt/TXN_AMT
15 | +-----+ | 15
16 | | MORE | | 16
17 | +-----+ | 17
18 | | | +-----+ +-----+ | 18
19 | | DONE | | EXIT | | 19
20 | | | +-----+ +-----+ | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|---|
| acct_desc12 | O | X(18) | V | <p>If the Card Class Code is ICC 91 or 93, display one of the following based on the optional Product Category Code element returned in the profile:</p> <ul style="list-style-type: none"> 1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 4 - "Time Deposit" 5 - "Savings/Investment" 6 - "Line of Credit" 7 - "Mortgage" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" |

STR 44815-S

Standard Data Elements: Screen BN5845 (cont)

| Data Name | I/O | Format | L-R-V | Comments |
|-----------|-----|--------|-------|---|
| | | | | <p>For Card Class 93, if no profile has been received, then use the CAT Card Type Code to determine which to display:</p> <p>070-072 - "Visa"</p> <p>073-074 - "MasterCard"</p> <p>075 - "Diners Club"</p> <p>Else, if the Card Class Code is Off-Us 10 - Off-Us 13, then display one of the following based on the optional Product Type Code element returned in the response to FC4502, if present, or otherwise based on the Product Type Code in the request:</p> <p>001 - "Checking"</p> <p>004 - "Savings"</p> <p>014 - "Credit"</p> |
| punct1 | O | X(1) | V | For ICC Cards 91 and 93, leave blank. |
| | | | | For Off-Us cards, display ":". |
| acct_no12 | O | X(22) | V | Display Account Number from Message 4501 Response. |
| | | | | For Off-Us cards, leave blank. |
| punct2 | O | X(1) | V | For ICC Cards 91 and 93, display ":". |
| | | | | For Off-Us cards, leave blank. |
| post_date | O | X(5) | L | Display a preformatted date, if received. Else, format the date received based on the session language as described in Appendix NO TAG. |

STR 44464-S
 STR 44475-S
 STR 45144-S
 STR 45345-S
 STR 46726-S

Standard Data Elements: Screen BN5845 (cont)

| Data Name | I/O | Format | L-R-V | Comments |
|------------|-----|-----------|-------|--|
| tx_typ_txt | O | X(45) | L | Display transaction descriptor as described in Procedure PRC BN5861. |
| TXN_AMT | O | X(19) / Z | R | Display transaction amount as described in Procedure PRC BN5861. |

Screen Transition: See Figure 4-6.

Screen BN5846. Here Is Your Next Page Of TJ Activity - With Print

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 | Here is recent activity I have for | 1
2 | your XXXXXXXXXXXXXXXXXXXX | 2 acct_desc12/punct1
3 | XXXXXXXXXXXXXXXXXXXX | 3 acct_no12/punct2
4 | +-----+ | 4
5 | | MORE | | 5
6 | +-----+ | 6
7 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 7 post_date/tx_typ_txt/TXN_AMT
8 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 8 post_date/tx_typ_txt/TXN_AMT
9 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 9 post_date/tx_typ_txt/TXN_AMT
10 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 10 post_date/tx_typ_txt/TXN_AMT
11 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 11 post_date/tx_typ_txt/TXN_AMT
12 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 12 post_date/tx_typ_txt/TXN_AMT
13 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 13 post_date/tx_typ_txt/TXN_AMT
14 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 14 post_date/tx_typ_txt/TXN_AMT
15 | +-----+ | 15
16 | | MORE | | 16
17 | +-----+ | 17
18 | | | | 18
19 | | PRINT | | DONE | | EXIT | | 19
20 | +-----+ | +-----+ | +-----+ | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|---|
| acct_desc12 | O | X(18) | V | <p>If the Card Class Code is ICC 91 or 93, display one of the following based on the optional Product Category Code element returned in the profile:</p> <ul style="list-style-type: none"> 1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 4 - "Time Deposit" 5 - "Savings/Investment" 6 - "Line of Credit" 7 - "Mortgage" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" |

STR 44815-S

Standard Data Elements: Screen BN5846 (cont)

| Data Name | I/O | Format | L-R-V | Comments |
|-----------|-----|--------|-------|---|
| | | | | <p>For Card Class 93, if no profile has been received, then use the CAT Card Type Code to determine which to display:</p> <p>070-072 - "Visa" 073-074 - "MasterCard" 075 - "Diners Club"</p> <p>Else, if the Card Class Code is Off-Us 10 - Off-Us 13, then display one of the following based on the optional Product Type Code element returned in the response to FC4502, if present, or otherwise based on the Product Type Code in the request:</p> <p>001 - "Checking" 004 - "Savings" 014 - "Credit"</p> |
| punct1 | O | X(1) | V | <p>For ICC Cards 91 and 93, leave blank.</p> <p>For Off-Us cards, display ":".</p> |
| acct_no12 | O | X(22) | V | <p>Display Account Number from Message 4501 Response.</p> <p>For Off-Us cards, leave blank.</p> |
| punct2 | O | X(1) | V | <p>For ICC Cards 91 and 93, display ":".</p> <p>For Off-Us cards, leave blank.</p> |
| post_date | O | X(5) | L | <p>Display a preformatted date, if received. Else, format the date received based on the session language as described in Appendix NO TAG.</p> |

STR 44464-S
STR 44475-S
STR 45144-S
STR 45345-S
STR 46726-S

Standard Data Elements: Screen BN5846 (cont)

| Data Name | I/O | Format | L-R-V | Comments |
|------------|-----|---------|-------|--|
| tx_typ_txt | O | X(45) | L | Display transaction descriptor as described in Procedure PRC BN5861. |
| TXN_AMT | O | X(19)/Z | R | Display transaction amount as described in Procedure PRC BN5861. |

Screen Transition: See Figure 4-6.

Screen BN5847. Here Is Your Last Page Of TJ Activity - With Print

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 | Here is recent activity I have for | 1
2 | your XXXXXXXXXXXXXXXXXXXXXXXX | 2 acct_desc12/punct1
3 | XXXXXXXXXXXXXXXXXXXXXXXX | 3 acct_no12/punct2
4 | | 4
5 | | 5
6 | | 6
7 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 7 post_date/tx_typ_txt/TXN_AMT
8 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 8 post_date/tx_typ_txt/TXN_AMT
9 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 9 post_date/tx_typ_txt/TXN_AMT
10 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 10 post_date/tx_typ_txt/TXN_AMT
11 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 11 post_date/tx_typ_txt/TXN_AMT
12 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 12 post_date/tx_typ_txt/TXN_AMT
13 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 13 post_date/tx_typ_txt/TXN_AMT
14 | XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 14 post_date/tx_typ_txt/TXN_AMT
15 | +-----+ | 15
16 | | MORE | | 16
17 | +-----+ | 17
18 | | +-----+ | +-----+ | +-----+ | 18
19 | | PRINT | | DONE | | EXIT | | 19
20 | | +-----+ | +-----+ | +-----+ | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|---|
| acct_desc12 | O | X(18) | V | <p>If the Card Class Code is ICC 91 or 93, display one of the following based on the optional Product Category Code element returned in the profile:</p> <ul style="list-style-type: none"> 1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 4 - "Time Deposit" 5 - "Savings/Investment" 6 - "Line of Credit" 7 - "Mortgage" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" |

STR 44815-S

Standard Data Elements: Screen BN5847 (cont)

| Data Name | I/O | Format | L-R-V | Comments |
|-----------|-----|--------|-------|---|
| | | | | <p>For Card Class 93, if no profile has been received, then use the CAT Card Type Code to determine which to display:</p> <p>070-072 - "Visa"</p> <p>073-074 - "MasterCard"</p> <p>075 - "Diners Club"</p> <p>Else, if the Card Class Code is Off-Us 10 - Off-Us 13, then display one of the following based on the optional Product Type Code element returned in the response to FC4502, if present, or otherwise based on the Product Type Code in the request:</p> <p>001 - "Checking"</p> <p>004 - "Savings"</p> <p>014 - "Credit"</p> |
| punct1 | O | X(1) | V | <p>For ICC Cards 91 and 93, leave blank.</p> <p>For Off-Us cards, display ":",</p> |
| acct_no12 | O | X(22) | V | <p>Display Account Number from Message 4501 Response.</p> <p>For Off-Us cards, leave blank.</p> |
| punct2 | O | X(1) | V | <p>For ICC Cards 91 and 93, display ":",</p> <p>For Off-Us cards, leave blank.</p> |
| post_date | O | X(5) | L | <p>Display a preformatted date, if received. Else, format the date received based on the session language as described in Appendix NO TAG.</p> |

STR 44464-S
 STR 44475-S
 STR 45144-S
 STR 45345-S
 STR 46726-S

Standard Data Elements: Screen BN5847 (cont)

| Data Name | I/O | Format | L-R-V | Comments |
|------------|-----|-----------|-------|--|
| tx_typ_txt | O | X(45) | L | Display transaction descriptor as described in Procedure PRC BN5861. |
| TXN_AMT | O | X(19) / Z | R | Display transaction amount as described in Procedure PRC BN5861. |

Screen Transition: See Figure 4-6.

Screen BN5848. There Is No Recent Activity

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 |                                     | 6
7 | I'm sorry. I don't see any recent | 7
8 | activity in your XXXXXXXXXXXXXXXX | 8 acct_desc13/period1
9 | XXXXXXXXXXXXXXXXXXXXXXXX         | 9 acct_no13/period2
10|                                     | 10
11|                                     | 11
12|                                     | 12
13| May I help you with something else? | 13
14|                                     | 14
15| +-----+           +-----+ | 15
16| | Yes  |           | No  | | 16
17| +-----+           +-----+ | 17
18|                                     | 18
19|                                     | 19
20|                                     | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|---|
| acct_desc13 | O | X(18) | V | <p>If the Card Class Code is ICC 91 or 93, display one of the following based on the optional Product Category Code element returned in the profile:</p> <ul style="list-style-type: none"> 1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 4 - "Time Deposit" 5 - "Savings/Investment" 6 - "Line of Credit" 7 - "Mortgage" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" |

STR 44815-S
STR 46586-S
STR 46726-S

Standard Data Elements: Screen BN5848 (cont)

| Data Name | I/O | Format | L-R-V | Comments |
|-----------|-----|--------|-------|---|
| | | | | For Card Class 93, if no profile has been received, then use the CAT Card Type Code to determine which to display: 070-072 - "Visa" 073-074 - "MasterCard" 075 - "Diners Club" |
| | | | | Else, if the Card Class Code is Off-Us 10 - Off-Us 13, then display one of the following based on the optional Product Type Code element returned in the response to FC4502, if present, or otherwise based on the Product Type Code in the request: 001 - "Checking" 004 - "Savings" 014 - "Credit" |
| period1 | O | X(1) | V | For ICC Cards 91 and 93, leave blank. For Off-Us cards, display ".". |
| acct_no13 | O | X(22) | V | Display Account Number from Message 4502 Response. For Off-Us cards, leave blank. |
| period2 | O | X(1) | V | For ICC Cards 91 and 93, display ".". For Off-Us cards, leave blank. |

Screen Transition: See Figure 4-6.

STR 44464-S
STR 44475-S
STR 45144-S
STR 46726-S

Overlay BN5850. Just A Moment - Printing TJ

| | 1111111111222222222233333333334 | |
|----|--|----|
| | 1234567890123456789012345678901234567890 | |
| 1 | | 1 |
| 2 | | 2 |
| 3 | | 3 |
| 4 | | 4 |
| 5 | | 5 |
| 6 | | 6 |
| 7 | | 7 |
| 8 | | 8 |
| 9 | | 9 |
| 10 | | 10 |
| 11 | | 11 |
| 12 | | 12 |
| 13 | | 13 |
| 14 | | 14 |
| 15 | | 15 |
| 16 | | 16 |
| 17 | Just a moment, please. | 17 |
| 18 | | 18 |
| 19 | I'm printing it... | 19 |
| 20 | | 20 |

Screen Transition: See Figure 4-7.

STR 46729-S

96-0037-00

CONFIDENTIAL
(SEE NOTICE ON TITLE PAGE)

Screen Transition: See Figure 4-7.

Screen BN5852. TJ Not Available

1111111112222222223333333334
1234567890123456789012345678901234567890

```

1 | 1
2 | 2
3 | 3
4 | 4
5 | 5
6 | 6
7 | I'm sorry. I can't show you recent
8 | activity right now.
9 |
10 |
11 |
12 |
13 | May I help you with something else?
14 |
15 | +-----+ +-----+
16 | | Yes | | No |
17 | +-----+ +-----+
18 |
19 | | EXIT |
20 | +-----+

```

Screen Transition: See Figure 4-5.

4.6 Processes

This section shows the processes defined for Balance Inquiry application.

PRC BN5860. Check TJ Availability

Global ICC allows customers to view TJ activity for any product that supports it - for both ICC cards and Off-Us cards. Although no Off-Us network currently supports TJ activity, this functionality is being included in this offering for possible future use.

For all cards, if a profile message is sent, the application will check for a TJ flag in Profile Message 4604.

The decision to show TJ is based on the returned TJ Support Indicator (ID 7362) from Message 4501 response, if it is available. If it is not available, it is based this on the TJ Support Indicator (ID 7362) from the Profile (Message 4604) response.

Screen Transition: See Figure 4-4.

PRC BN5861. Transaction Journal (TJ)

Summary: This procedure defines how the TJ information received in Message 4502 should be processed to present the TJ listings on screens BN5840-BN5847.

Up to 200 TJ items can be processed for each product. Since Message 4502 supports only 50 rows in the Transaction Journal Table, multiple requests can be made to the FEP until this limit is met.

The Transaction Journal Table from Message 4502 may contain either or both Transaction Description (7226) or Transaction Description Code (7291). If both are returned, the Transaction Description (7226) is used. In either case, the Transaction Description Extension (7292) may be returned. (A listing of the valid codes can be found in Table 4-2.) The Description Text and the Extension Text will be put on a single line on the TJ screen whenever possible, as described below. Two lines of text per TJ item is the maximum supported.

The TJ items received can be processed to build one TJ "page" (that is, screen) at a time. The items fill in from the top line to the last, with the first item received at the bottom of the list. If only one item is received, it is placed on the top line of the TJ listing. No assumption is made as to which of the items received are the most recent, nor is any attempt be made to "sort" the items by date order.

Each TJ item may take up to two lines. Following is a description of how it is determined whether one or two lines are needed:

Here is a sample TJ entry layout:

```
line A | xxxxx xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx |
line B |                xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx |
```

A TJ entry will use only line A if either of these criteria are met:

- No Transaction Description Extension is received.
- The combined lengths of the Transaction Description, Transaction Description Extension and one blank space do not exceed 25 characters.

Otherwise, two lines of text will be used.

STR 44814-S

Below is a more detailed description of the logic used to build each entry:

1. Determine the length of the item received for the TXN_AMT. Subtract this length plus one leading blank space from a total of 45 characters to determine the total possible length that the variable tx_typ_txt can use for display. The TXN_AMT should always be displayed right justified on line A of a TJ entry.
2. If the length of the Descriptor Text \leq 25 characters, then:
 - If there is no Extension Text received, display the result on line A.
 - If Extension Text is received, calculate the length of the Descriptor Text + 1 space + the Extension Text.
 - If the result is \leq 25 characters, concatenate the Descriptor, the space and Extension Text and display the result on line A.
 - If the result is $>$ 25 characters, determine the available space on line A as described above. Display as much of the Descriptor Text as possible on line A and truncate the remaining text. The result should leave at least one space between the Descriptor Text and the TXN_AMT. Display the Extension Text on line B up to a length of 40 characters. If more characters are received, the Extension Text should be truncated as well.

Else, if the length of the Descriptor Text $>$ 25 characters, then:

- Determine the available space on line A as described above. Display as much of the Descriptor Text as possible on line A and truncate the remaining text. The result should leave at least one space between the Descriptor Text and the TXN_AMT.
- If Extension Text is received, display it on line B up to a length of 40 characters. If more characters are received, the Extension Text should be truncated.

Screen Transition: See Figure 4-5 and Figure 4-6.

PRC BN5862. Balance Inquiry Balance Display

This procedure defines how the Balance and related Descriptor information received in Message 4501 should be processed to present a given product's balances on Overlay BN5816.

Depending on the number of balances received, one or more screens may need to be presented in order to display them. Because there is no requirement as to the number of balances that must display for each product type, the application allows as many balances as are received to display, provided they are in the listing shown in NO TAG.

For the same reason, the balance screens are built one at a time, starting at the top of the "output" window. Each balance and descriptor should have a single blank line separating it from the balances listed above and below it. Even if only one balance is to be displayed, it appears at the top of this "output" window. The "output" window is displayed as a recap box that shrinks and expands to fit the current number of display lines.

Balance Inquiry screens, unlike TJ Activity screens, do not support preformatted dates. Date formatting is determined by the session language, as described in Appendix NO TAG.

Screen Transition: See Figure 4-4.



STR 45143-S

Chapter 5

Transfer

The Transfer application provides the ability to both transfer funds among, and to make payments to and from, the products linked to a single card.

This chapter covers the following:

- Supported ESP Messages (Section 5.1)
- Processing Overview (Section 5.2)
- Flowcharts (Section 5.3)
- Special Tables (Section 5.4)
- Screens (Section 5.5)
- Processes (Section 5.6)

5.1 Supported ESP Messages

The Transfer application uses the following external service provider messages:

| Message ID | Message Description |
|-------------|---|
| 4402 | Transfer Authorization Request |
| 4403 | Transfer Authorization Reversal Request |
| 4604/X11FC* | Profile with Balance/Citicard Summary |

NOTE

The Profile message is sent in Product Select and therefore does not appear in the flowcharts of this chapter. The responses, however, are handled throughout this chapter and therefore the message is included above.

The SFS Function Codes are determined from the Message ID and the SFS Function Code offset from Message 4117. For a Transfer Authorization Request, the ICC SFS Function Code is 4442; the Off-Us Generic SFS Function Code is 4462. For a Transfer Authorization Reversal, the ICC SFS Function Code is 4443; the Off-Us Generic SFS Function Code is 4463.

5.2 Processing Overview

The following provides the Transfer processing overview:

For Card Class 91:

- Determine what type of transfer or payment the customer wants to make for the CA Category chosen in Product Select.
- Determine the destination Product Category for the transfer or payment.
- Verify the customer profile received from Message 4604.
- Display the Account Resolver from which the customer chooses the destination account for transfer or payment.
- For a transfer, display an appropriate transfer amount entry keypad based on the destination account currency type (Currency_Cde field from FC4117).

For a payment, build a Balance Inquiry Message FC4501. Next, build a selected two or three payment button menu to allow customer to choose from pre-determined payment amounts. If customer chooses to pay a different amount, then display entry keypad as described above for a transfer.

- Enter amount and check for valid format.
- Determine source Product Category for transfer or payment, using Account Resolver to determine the destination account, if necessary.
- If the source account and the destination account are in the same currency, ask the customer to confirm the transfer input. If the customer accepts, continue and if the customer declines, display error screen.
- If this is not the first transaction of the session, enter the PIN again.
- Send the Transfer request.
- If the source account and the destination account are not in the same currency, then, if *both* equivalent transaction amounts were received, display the confirm transfer screen asking if the customer wants to continue. If the customer declines, send FC4403 (Transfer Reversal). If the customer accepts, continue.
- If the transfer was successful:
 - Queue the TN Transaction Record.
 - Display an appropriate balance screen based on what new balance data was returned.
- If the transfer was not successful, display an appropriate transfer error screen or one of the standard error screens.

For Card Classes Off-Us 10 - Off-Us 13:

- Determine what transfer option the customer can be offered -- Checking to Savings, Savings to Checking, or both. If both, ask the customer to choose one. If only one option, set the source and destination accounts.
- If the currency code in the Card Prefix Table (CPT) is found, use it to set the transaction currency.

If the currency code is not found (that is, it is "XXX" in the CPT), send Message 4501. If the response is good, set the transaction currency to the Currency Code of the destination account. If the response is not good, display the appropriate error screens.

- Display an appropriate transfer amount entry keypad based on the destination account currency type.
- Enter amount and check for valid format.
- If the source account and the destination account are in the same currency, ask the customer to confirm the transfer input. If the customer accepts, continue. If the customer declines, display error screen.
- If this is not the first transaction of the session, enter the PIN again.
- Send the Transfer request.
- If the source account and the destination account are not in the same currency, then, if *both* equivalent transaction amounts were received, display the confirm transfer screen asking if the customer wants to continue. If the customer declines, send FC4403 (Transfer Reversal). If the customer accepts, continue.
- If the transfer was successful:
 - Queue the TN Transaction Record.
 - Display an appropriate balance screen based on what new balance data was returned.
- If the transfer was not successful, display an appropriate transfer error screen or one of the standard error screens.

5.3 Flowcharts

This section shows the flowcharts for the Transfer application.

Unless otherwise specified, pressing the **EXIT** key on any screen activates Procedure PRC PN5552 in the Product Select Application.

Similarly, a timeout transitions to the standard "Timeout" routine in Common Screens and Procedures.

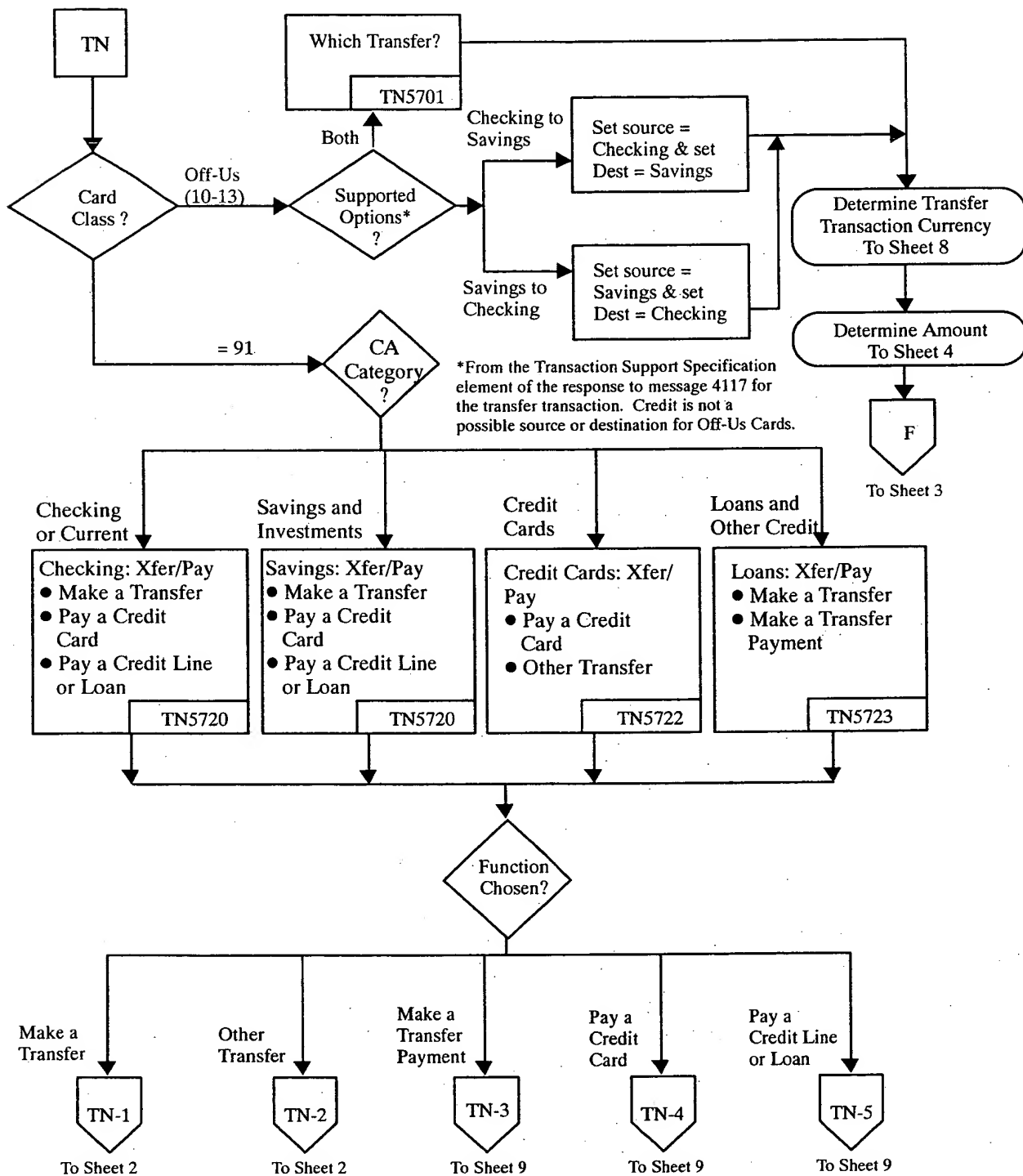


Figure 5-1. Transfer and Payment Functional Menus (Sheet 1 of 10)

STR 44416-S

Transfer

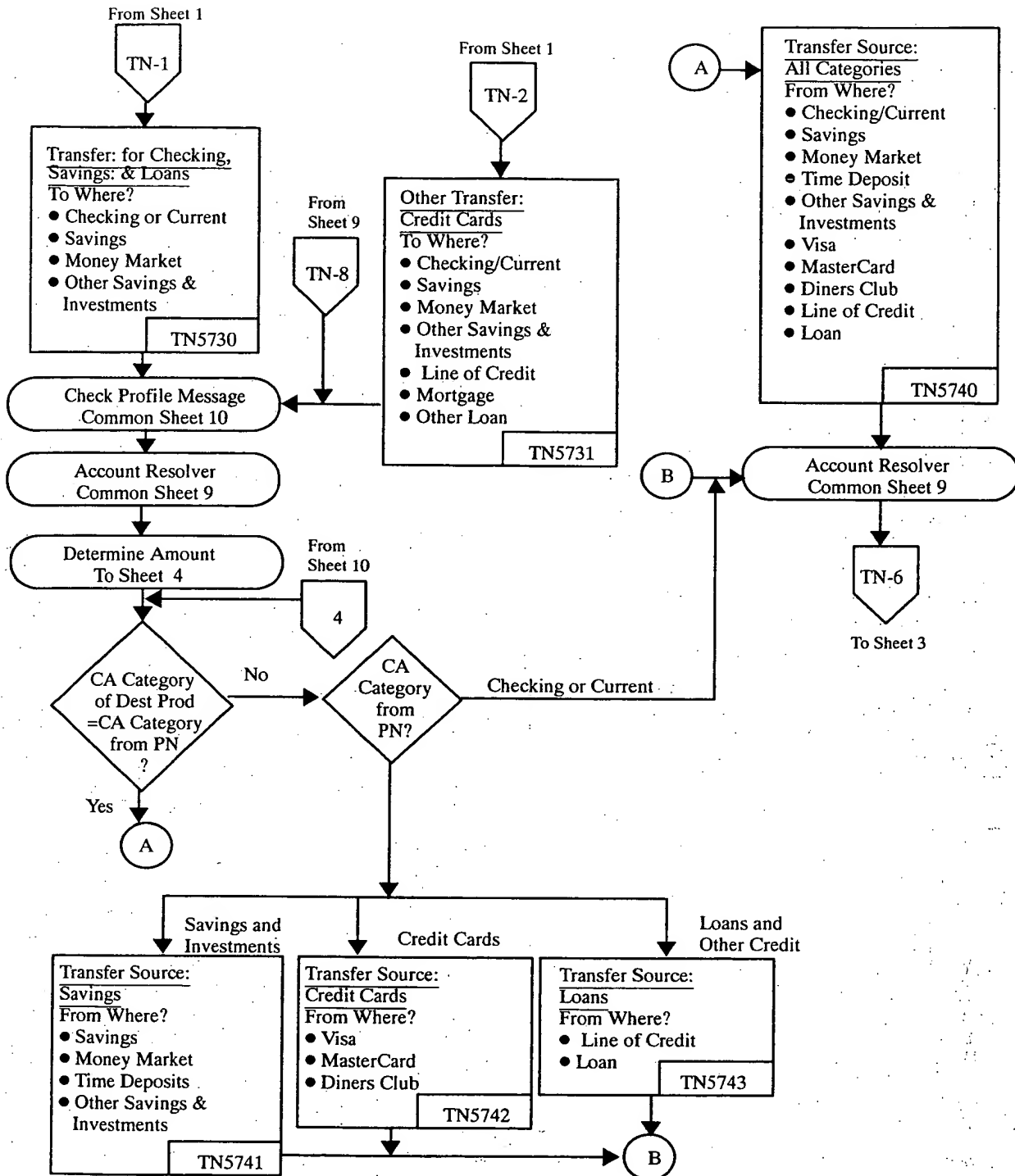


Figure 5-2. Specify Transfer Destination, Amount and Source Category (Sheet 2 of 10)

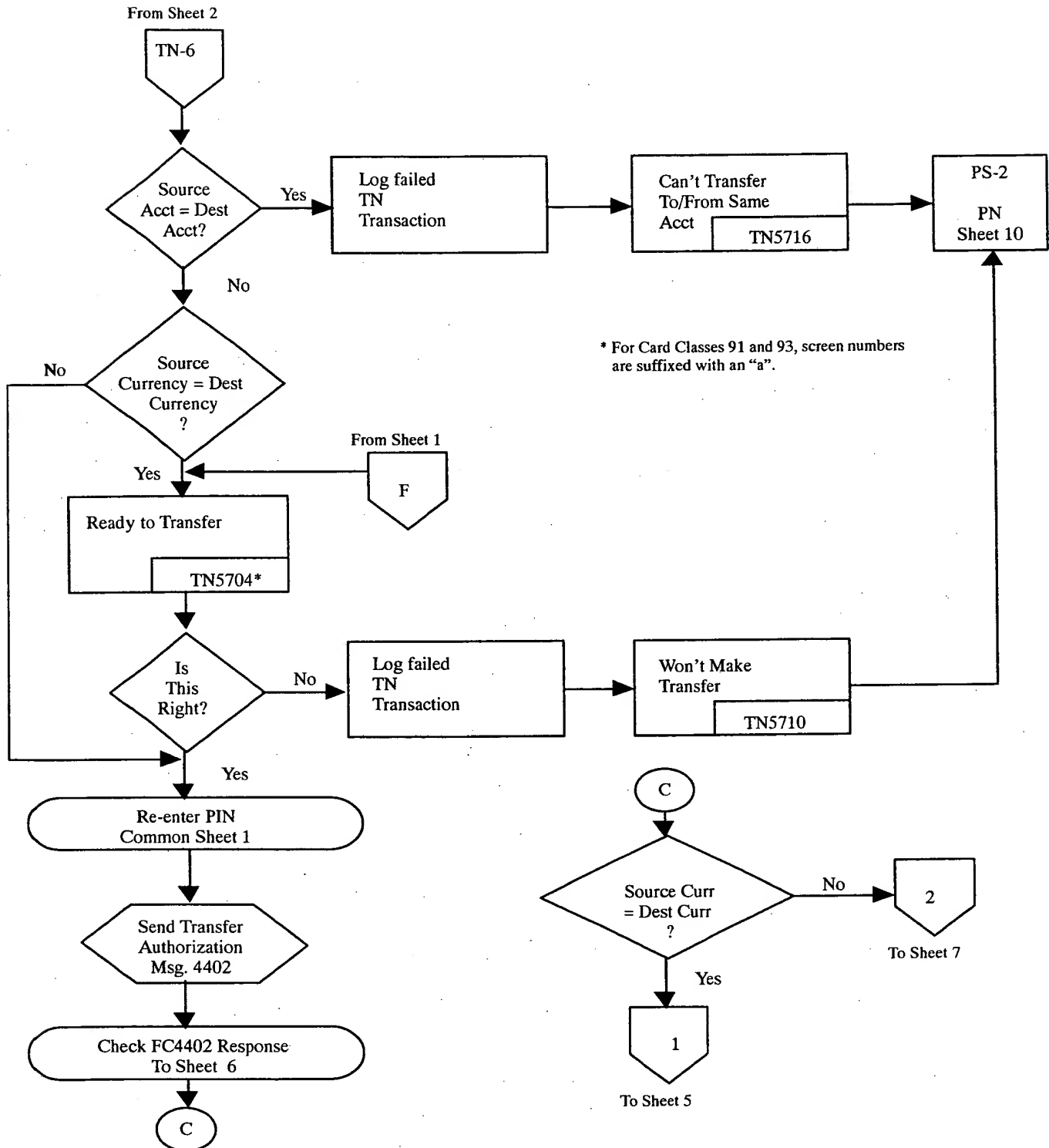


Figure 5-3. Verify and Present "Ready to Transfer" (Sheet 3 of 10)

STR 45089-S

Transfer

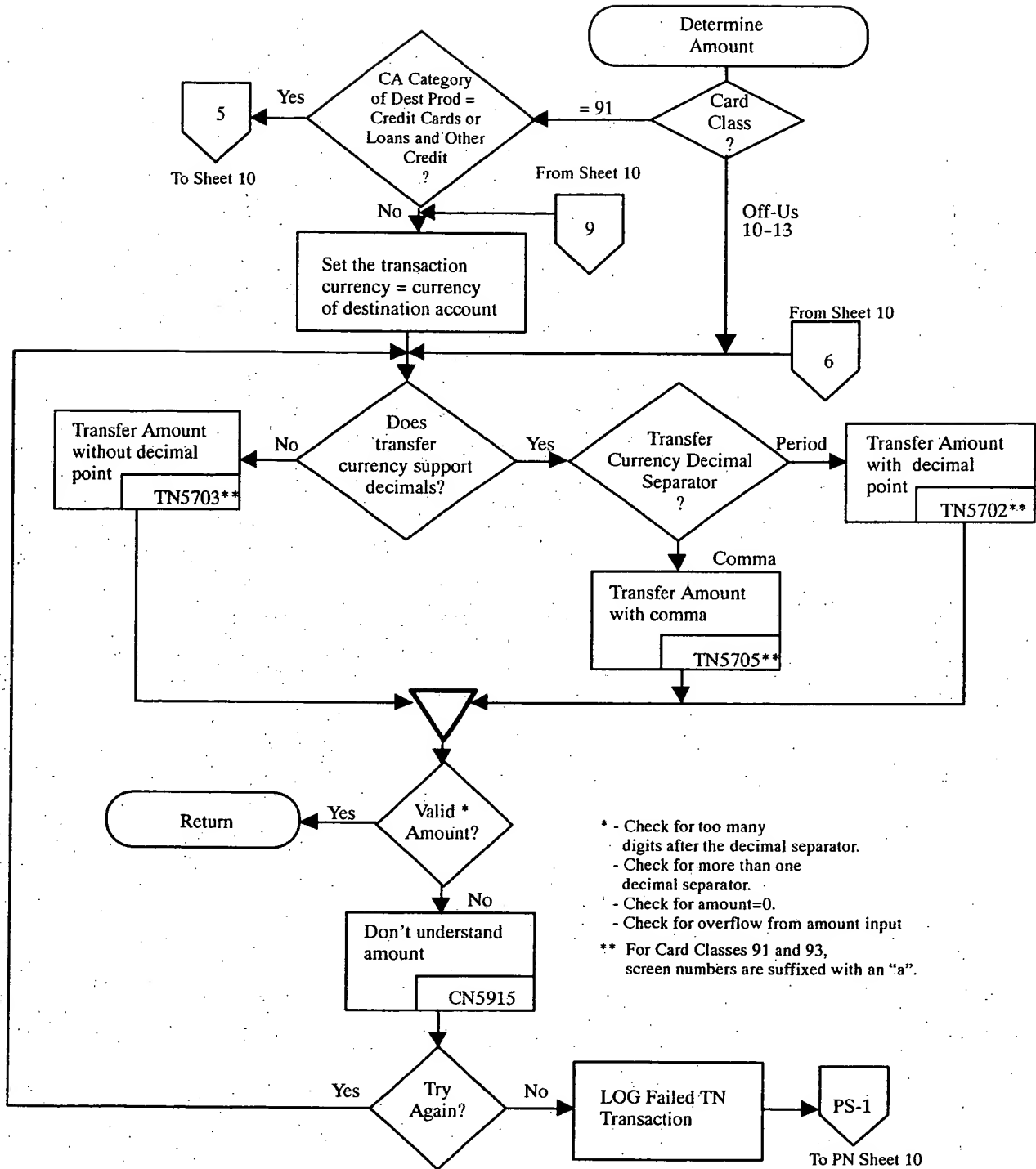
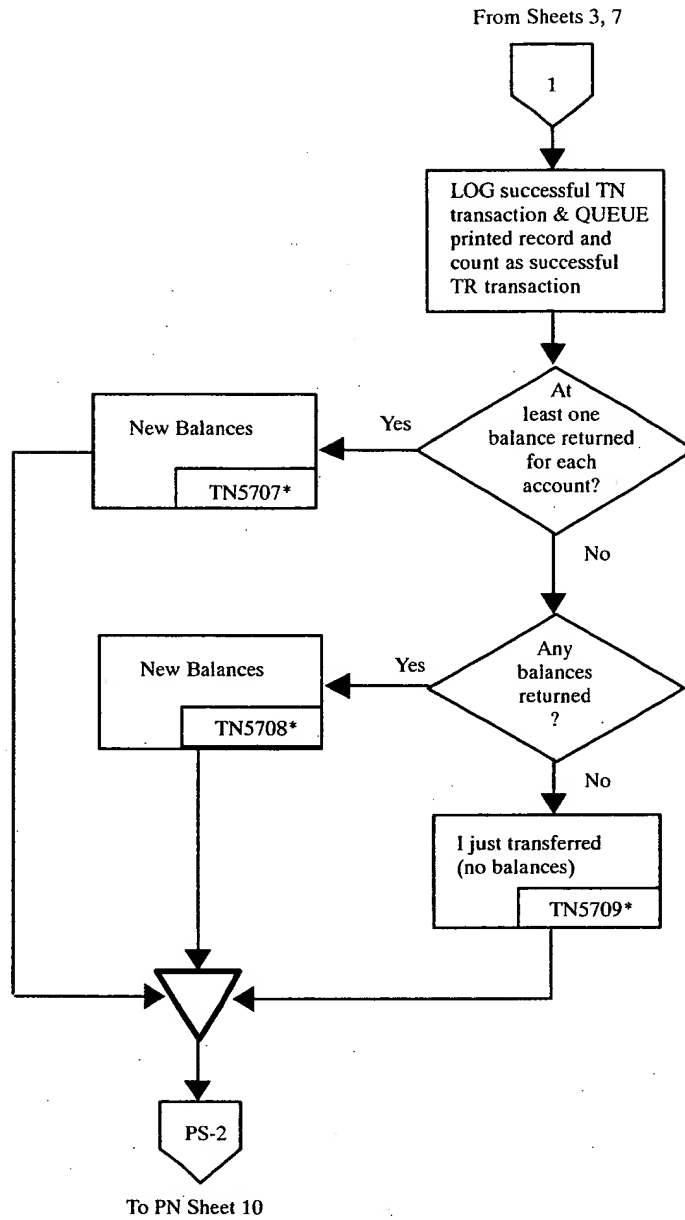


Figure 5-4. Determine Transfer Amount (Sheet 4 of 10)

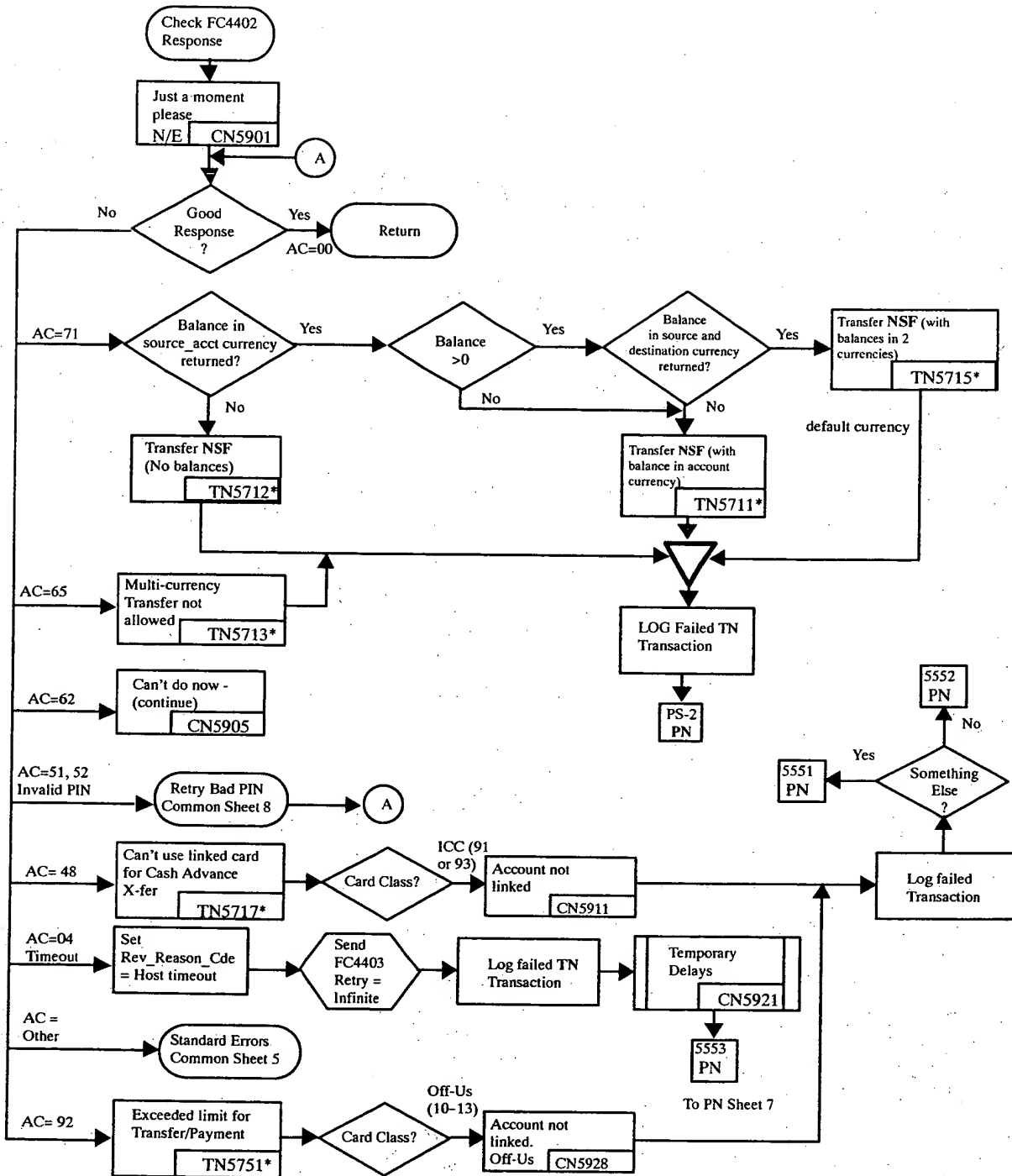
STR 44417-S
STR 45089-S



* For Card Classes 91 and 93, screen numbers are suffixed with an "a".

Figure 5-5. Transfer Completed - Resulting Balances (Sheet 5 of 10)

Transfer

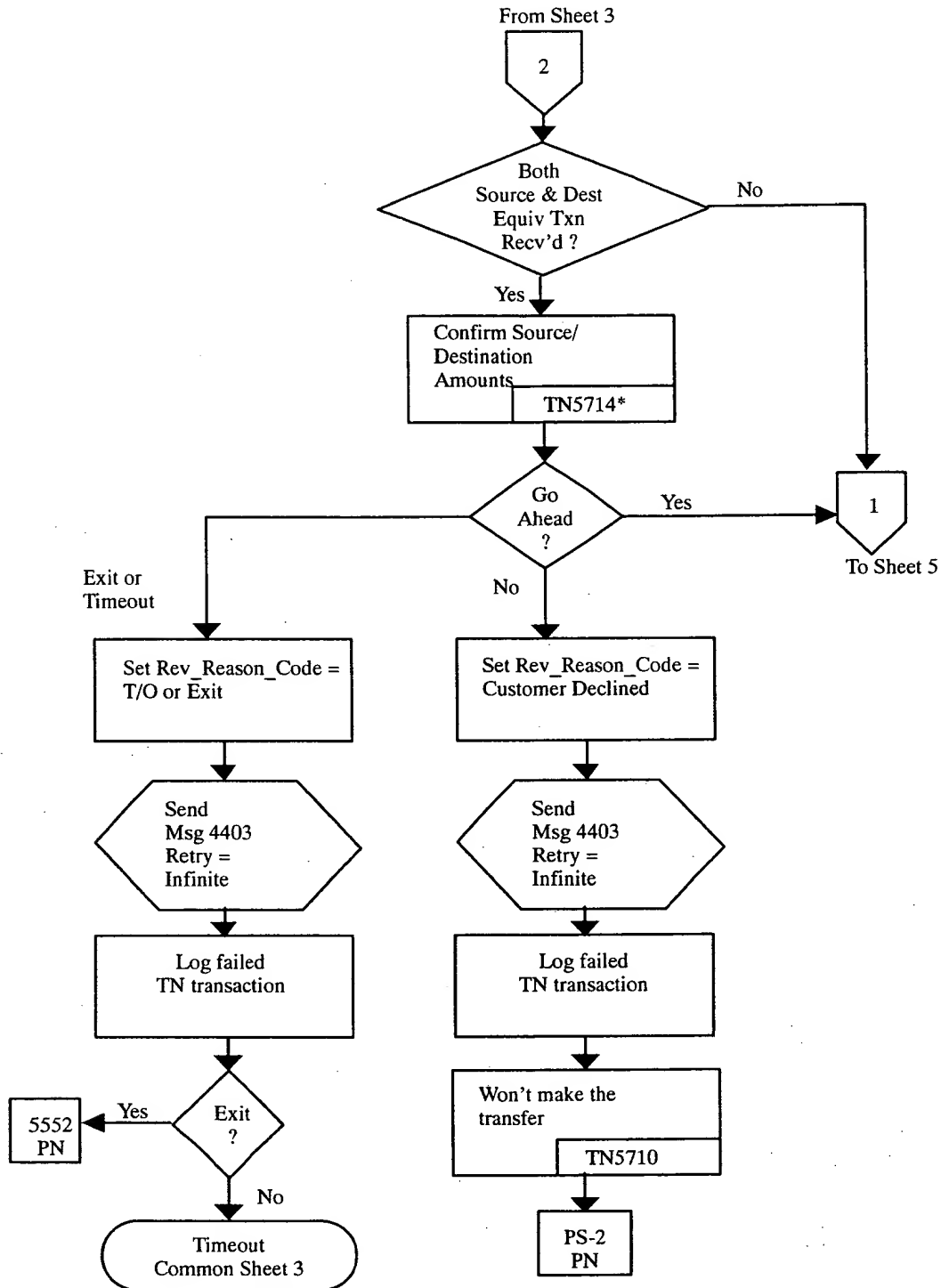


* For Card Classes 91 and 93, screen numbers are suffixed with an "a".

Figure 5-6. Check FC4402 Response (Sheet 6 of 10)

STR 44803-S
STR 45507-S
STR 48213-S

STR 45089-S
STR 45207-S



* For Card Classes 91 and 93, screen numbers are suffixed with an "a"

Figure 5-7. Transfer FX Confirmation (Sheet 7 of 10)

STR 45089-S

Transfer

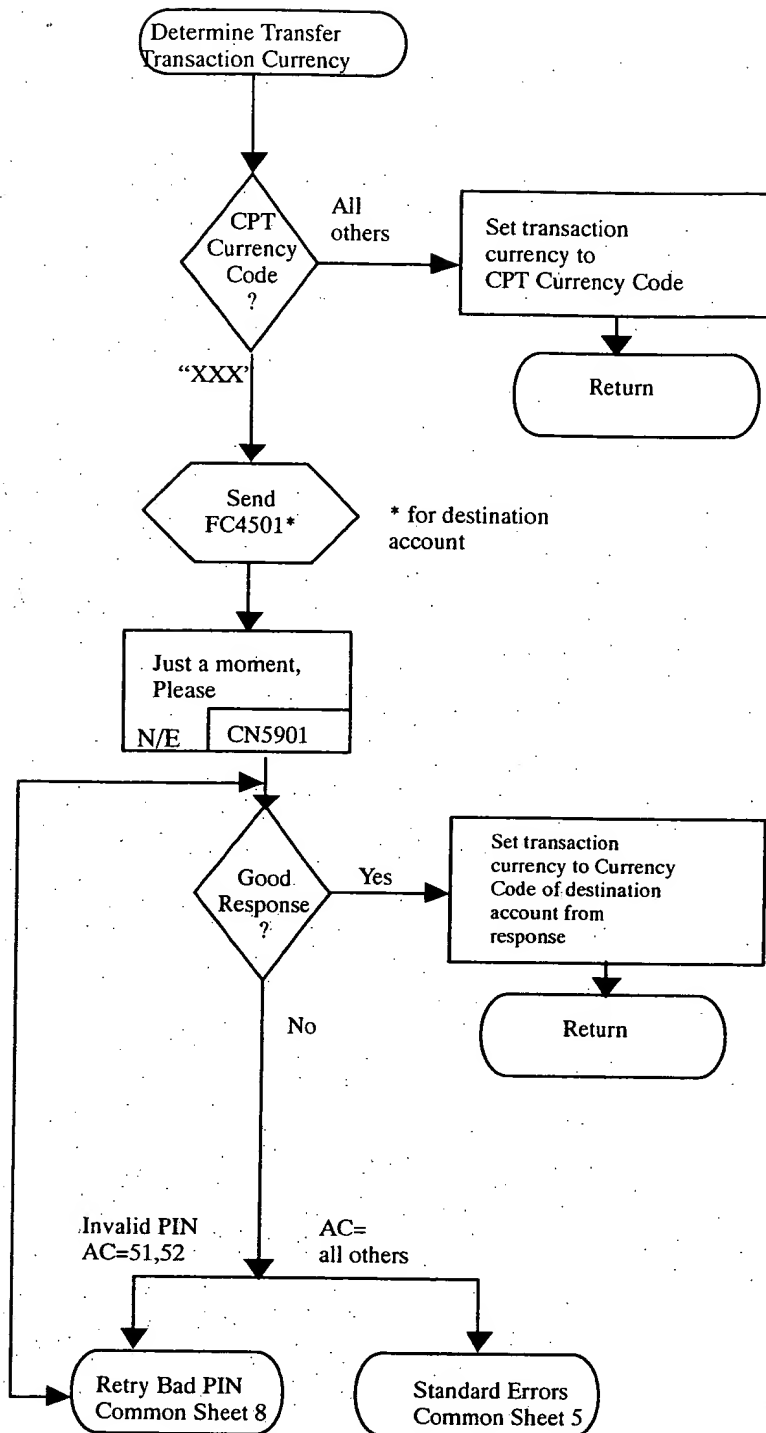


Figure 5-8. Determine Transfer Transaction Currency - Off-Us (Sheet 8 of 10)

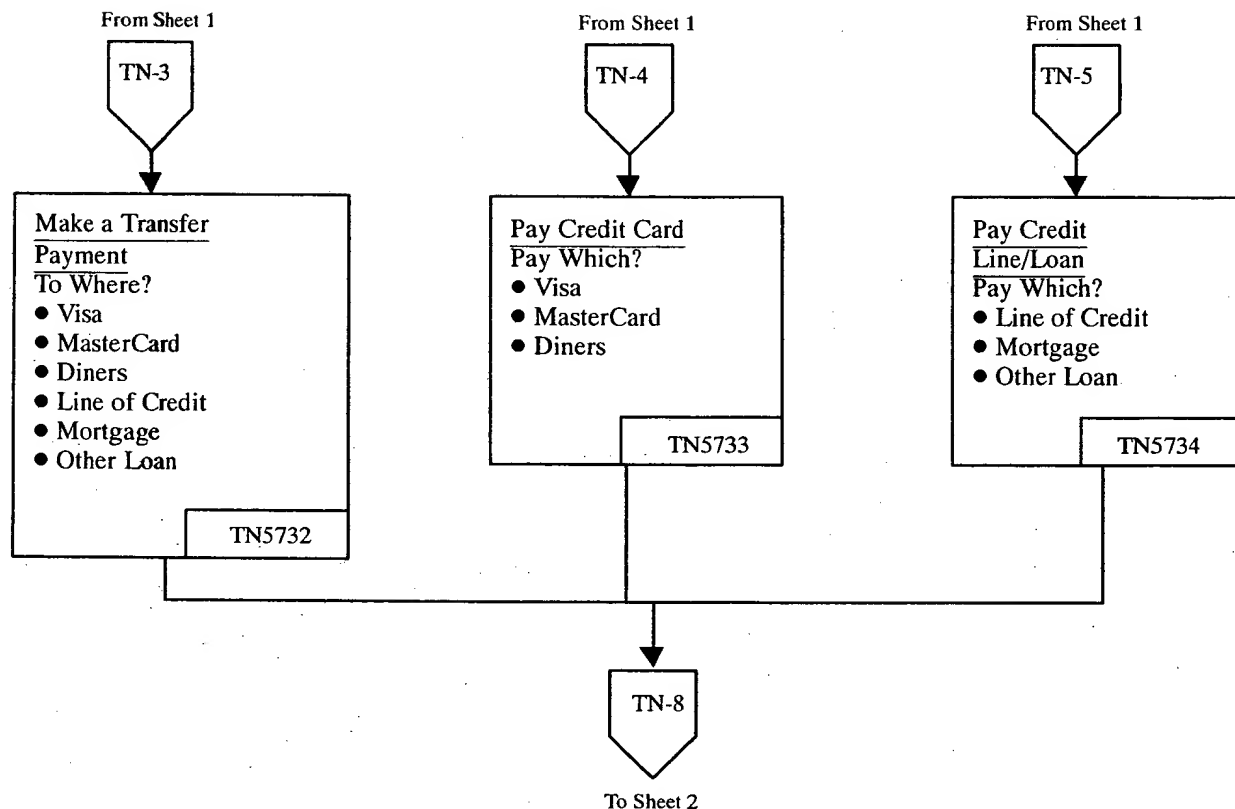


Figure 5-9. Payment Sub-Menus (Sheet 9 of 10)

STR 45217-S

Transfer

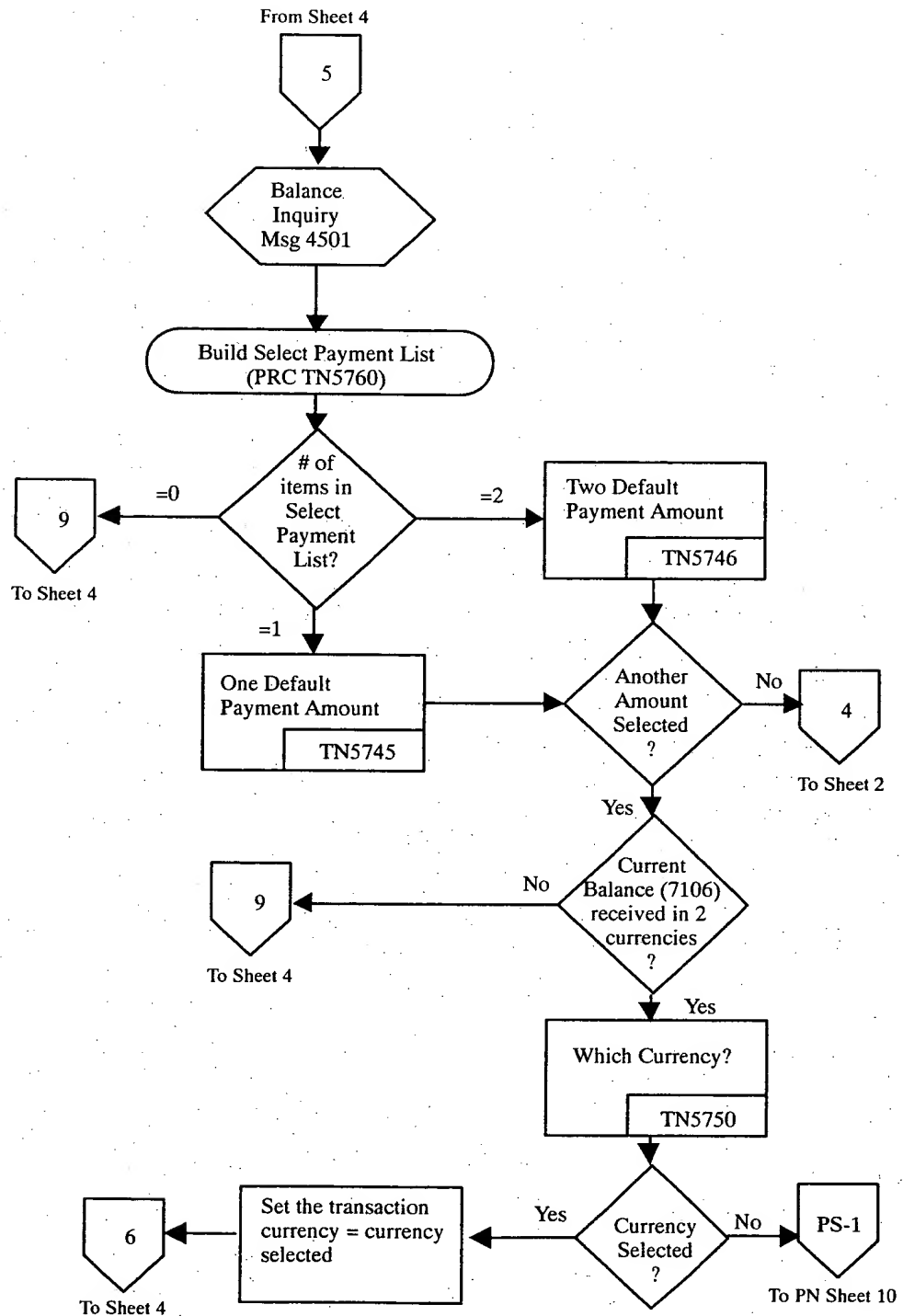


Figure 5-10. Determine Payment Amount to Credit Product (Sheet 10 of 10)

5.4 Special Tables

This section shows the tables for the Transfer application.

Table 5-1 shows what balances should be used for the default payment amounts on screens TN5745 and TN5746. Also indicated is the exact screen text that should accompany these amounts. The text specified will be displayed as indicated in the "Comments" on these screens.

For those product categories that support more than one default payment amount, when both amounts are received they should be displayed in the order shown in the table. (For more information regarding these amounts, see also flowchart Figure 5-10 and Process PRC TN5760 in Section 5.6 of this chapter.)

If a date is received, it should be displayed as described in Appendix C.

Table 5-1. Default Payment Amounts and Text Descriptors

| Product Category | ID | Text if No Date Rec'd | Text if Date Received |
|-------------------------------|----------------|------------------------|----------------------------------|
| Visa MasterCard | 7192 (7401) | Minimum Payment Due | Minimum Payment Due on (date) |
| | 7120 | Last Statement Balance | Last Statement Balance |
| Diners Club | 7114 (7401) | Total Due | Total Due on (date) |
| Line of Credit Other Loans | 7114 (7401) | Next Payment Due | Next Payment Due on (date) |
| | 7112 | Amount You Owe | Amount You Owe |
| Mortgage | 7114 (7401) | Next Payment Due | Next Payment Due on (date) |

5.5 Screens

This section shows the screens and standard data elements for the Transfer application.

Screen TN5701. Which Transfer - Off-Us

| 111111111122222222223333333334 | | 1234567890123456789012345678901234567890 | |
|--------------------------------|-----------------------------------|--|----|
| 1 | | | 1 |
| 2 | What would you like to do? | | 2 |
| 3 | | | 3 |
| 4 | | | 4 |
| 5 | | | 5 |
| 6 | +-----+ | | 6 |
| 7 | Transfer from Savings to Checking | | 7 |
| 8 | +-----+ | | 8 |
| 9 | | | 9 |
| 10 | | | 10 |
| 11 | | | 11 |
| 12 | +-----+ | | 12 |
| 13 | Transfer from Checking to Savings | | 13 |
| 14 | +-----+ | | 14 |
| 15 | | | 15 |
| 16 | | | 16 |
| 17 | | | 17 |
| 18 | | +-----+ | 18 |
| 19 | | EXIT | 19 |
| 20 | | +-----+ | 20 |

Screen Transition: See Figure 5-4.

Screen TN5702. Transfer Amount With Period - Off-U's

```

111111111122222222223333333334
1234567890123456789012345678901234567890

```

| | | | | | |
|----|--------------------------------------|---|---|------|----|
| 1 | Tell me the amount you want to | | | | 1 |
| 2 | transfer from XXXXXXXX to XXXXXXXX. | | | | 2 |
| 3 | Use the decimal point, please. Then | | | | 3 |
| 4 | touch ENTER. (Touch CLEAR to erase.) | | | | 4 |
| 5 | +-----+ | | | | 5 |
| 6 | XXXXXX----- | | | | 6 |
| 7 | +-----+ | | | | 7 |
| 8 | | | | | 8 |
| 9 | 1 | 2 | 3 | | 9 |
| 10 | | | | | 10 |
| 11 | +-----+ ENTER | | | | 11 |
| 12 | | | | | 12 |
| 13 | 4 | 5 | 6 | | 13 |
| 14 | | | | | 14 |
| 15 | +-----+ | | | | 15 |
| 16 | | | | | 16 |
| 17 | 7 | 8 | 9 | | 17 |
| 18 | +-----+ | | | | 18 |
| 19 | CLEAR | 0 | . | EXIT | 19 |
| 20 | +-----+ | | | | 20 |

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|----------------------|-----|--------|---------|--|
| offus_srceacct_desc1 | O | X(8) | V | Display one of the following based on the source account type: 001 - "Checking" 004 - "Savings" |
| offus_destacct_desc1 | O | X(8) | V | Display one of the following based on the destination account type: 001 - "Checking" 004 - "Savings" |
| ccode | O | X(6) | R | Display the currency descriptor for the transfer transaction currency code. |

STR 45089-S
STR 46579-S
STR 48212-S

Standard Data Elements: Screen TN5702 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|---|
| tfr_amt_a | I | 9(15) | | <p>Entry is typewriter style, left to right. If two decimal places are supported for the default transfer currency, valid tfr_amt_a is \leq 999999999999.99 and \geq .01.</p> <p>If three decimal places are supported for the default transfer currency, valid tfr_amt_a is \leq 999999999999.999 and \geq .001.</p> |

Screen Transition: See Figure 5-4.

Screen TN5702a. Transfer Amount With Period - On-Us

```

1111111111222222222233333333334
123456789012345678901234567890
+-----+
1 | Tell me the amount you want to | 1
2 | XXXXXXXX XXXXXXXXXXXXXXXXXXXXX | 2 trans_pay/acct_desc20
3 | XXXXXXXXXXXXXXXXXXXXXXXXXX. | 3 acct_no14
4 | Use the decimal point, please. | 4
5 | +-----+ | 5
6 | |XXXXXX-----| | 6 ccode/tfr_amt_a
7 | +-----+ | 7
8 | | | | | 8
9 | | 1 | | 2 | | 3 | | 9
10 | | | | | 10
11 | +-----+ | ENTER | 11
12 | | | | | 12
13 | | 4 | | 5 | | 6 | | 13
14 | | | | | 14
15 | +-----+ | 15
16 | | | | | 16
17 | | 7 | | 8 | | 9 | | 17
18 | +-----+ | 18
19 | CLEAR | 0 | . | | EXIT | 19
20 | | | | | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|----------|
|-----------|-----|--------|---------|----------|

| | | | | |
|-----------|---|------|---|--|
| trans_pay | O | X(8) | V | For ICC Card Class 91, if the CA Category associated with the destination Product Category is "Checking and Current" or "Savings and Investment", then display "transfer". |
|-----------|---|------|---|--|

Else, display "pay".

STR 44474-S
STR 45089-S
STR 46579-S

Standard Data Elements: Screen TN5702a (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|--|
| acct_desc20 | O | X(21) | V | <p>For ICC Card Class 91 transfers, display "to" followed by a space and then the name of the destination Product Category chosen:</p> <p>1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 5 - "Savings/Investment"</p> <p>For ICC Card Class 91 payments, display "to" followed by a space and then the name of the destination Product Category chosen:</p> <p>6 - "Line of Credit" 7 - "Mortgage" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club"</p> |
| acct_no14 | O | X(22) | V | For ICC Card Class 91 transfers and payments, display the account number for the account chosen from the profile. |
| ccode | O | X(6) | R | Display the currency descriptor for the transaction currency code. |
| tfr_amt_a | I | 9(15) | | <p>Entry is typewriter style, left to right. If two decimal places are supported for the default transfer currency, valid tfr_amt_a is ≤ 99999999999.99 and $\geq .01$.</p> <p>If three decimal places are supported for the default transfer currency, valid tfr_amt_a is ≤ 99999999999.999 and $\geq .001$.</p> |

Screen Transition: See Figure 5-4.

STR 44537-S
STR 45089-S

STR 44474-S
STR 46544-S

Screen TN5703. Transfer Amount Without Decimal Point - Off-U.s

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 | Please tell me the amount you want to | 1
2 | transfer from XXXXXXXX to XXXXXXXX. | 2 offus_srceacct_desc1/offus_destacct_desc1
3 | Then touch ENTER. | 3
4 | (Touch CLEAR to erase.) | 4
5 | +-----+ | 5
6 | |XXXXXX|-----| | 6 ccode/tfr_amt_b
7 | +-----+ | 7
8 | | | | | 8
9 | | 1 | | 2 | | 3 | | 9
10 | | | | | 10
11 | | | | | ENTER | 11
12 | | 4 | | 5 | | 6 | | 12
13 | | | | | 13
14 | | | | | 14
15 | +-----+ | 15
16 | | | | | 16
17 | | 7 | | 8 | | 9 | | 17
18 | +-----+ | 18
19 | CLEAR | 0 | | | EXIT | 19
20 | | | | | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|----------------------|-----|--------|---------|--|
| offus_srceacct_desc1 | O | X(8) | V | Display one of the following based on the source account type: 001 - "Checking" 004 - "Savings" |
| offus_destacct_desc1 | O | X(8) | V | Display one of the following based on the destination account type: 001 - "Checking" 004 - "Savings" |
| ccode | O | X(6) | R | Display the currency descriptor for the transfer currency transaction code. |
| tfr_amt_b | I | 9(14) | | Entry is typewriter style, left to right. Valid tfr_amt_b is < 99999999999999 and ≥ 1. |

Screen Transition: See Figure 5-4.

STR 45089-S
STR 48212-S

STR 46579-S

Screen TN5703a. Transfer Amount Without Decimal Indicator - On-Us

| | | |
|--|--------------------------------|-------------------------|
| 1111111111222222222233333333334 | | |
| 1234567890123456789012345678901234567890 | | |
| 1 | Tell me the amount you want to | 1 |
| 2 | XXXXXXXXXXXXXXXXXXXXXXXXXXXX | 2 trans_pay/acct_desc20 |
| 3 | XXXXXXXXXXXXXXXXXXXX. | 3 acct_nol4 |
| 4 | Then touch ENTER. | 4 |
| 5 | +-----+ | 5 |
| 6 | XXXXXX----- | 6 ccode/tfr_amt_b |
| 7 | +-----+ | 7 |
| 8 | | 8 |
| 9 | 1 2 3 | 9 |
| 10 | | 10 |
| 11 | +-----+ ENTER | 11 |
| 12 | | 12 |
| 13 | 4 5 6 | 13 |
| 14 | | 14 |
| 15 | +-----+ | 15 |
| 16 | | 16 |
| 17 | 7 8 9 | 17 |
| 18 | +-----+ | 18 |
| 19 | CLEAR 0 EXIT | 19 |
| 20 | +-----+ | 20 |

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|--|
| trans_pay | O | X(8) | V | For ICC Card Class 91, if the CA Category associated with the destination Product Category is "Checking and Current" or "Savings and Investment", then display "transfer". Else, display "pay". |

STR 44474-S
STR 45089-S
STR 46579-S

Standard Data Elements: Screen TN5703a (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|--|
| acct_desc20 | O | X(21) | V | <p>For ICC Card Class 91 transfers, display "to" followed by a space and then the name of the destination Product Category chosen:</p> <p>1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 5 - "Savings/Investment"</p> <p>For ICC Card Class 91 payments, display "to" followed by a space and then the name of the destination Product Category chosen:</p> <p>6 - "Line of Credit" 7 - "Mortgage" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club"</p> |
| acct_no14 | O | X(22) | V | For ICC Card Class 91 transfers and payments, display the account number for the account chosen from the profile. |
| ccode | O | X(6) | R | Display the currency descriptor for the transaction currency code. |
| tfr_amt_b | I | 9(14) | | Entry is typewriter-style, left to right. Valid tfr_amt_b is < 99999999999999 and > 1. |

Screen Transition: See Figure 5-4.

STR 44474-S
STR 45089-S

STR 44537-S
STR 46544-S

Screen TN5704. Ready To Transfer - Off-Us

```

11111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1|                                     | 1
2| Okay. I'm ready to transfer       | 2
3|                                     | 3
4+-----+                             4
5|                XXXXXXXXXXXXXXXXXX | 5 tfr_amt
6|                                     | 6
7|            from XXXXXXXXX         | 7 offus_srceacct_desc1
8|                                     | 8
9|            to   XXXXXXXXX         | 9 offus_destacct_desc1
10+-----+                             10
11|                                     | 11
12|                                     | 12
13| Is this right?                   | 13
14|                                     | 14
15| +-----+           +-----+    | 15
16| | Yes  |           | No  |        | 16
17| +-----+           +-----+    | 17
18|                                     | 18
19|                                     | 19
20|                                     | 20
+-----+                             20

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|----------------------|-----|------------|---------|---|
| tfr_amt | O | X(25) / \$ | L | Display the transfer amount that was input by the customer. Format tfr_amt based on the transfer transaction currency code. |
| offus_srceacct_desc1 | O | X(8) | V | Display one of the following based on the source account type: 001 - "Checking" 004 - "Savings" |
| offus_destacct_desc1 | O | X(8) | V | Display one of the following based on the destination account type: 001 - "Checking" 004 - "Savings" |

Screen Transition: See Figure 5-3.

Messages to/from ESPs: If PIN reentry is not required because this is the first transaction of the session, send FC4402.

STR 45089-S

STR 48212-S

Screen TN5704a. Ready To Transfer - On-Us

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 | Okay. I'm ready to transfer | 1
2 |                               | 2
3 |                               | 3
4 |-----+-----+ 4
5 |           XXXXXXXXXXXXXXXXXXXXXXXX | 5 tfr_amt
6 |                               | 6
7 |       from XXXXXXXXXXXXXXXXXXXXXXXX | 7 srceacct_desc1
8 |           XXXXXXXXXXXXXXXXXXXXXXXX | 8 srceacct_nol
9 |                               | 9
10 |       to   XXXXXXXXXXXXXXXXXXXXXXXX | 10 destacct_desc1
11 |           XXXXXXXXXXXXXXXXXXXXXXXX | 11 destacct_nol
12 |                               | 12
13 |-----+-----+ 13
14 |                               | 14
15 |                               | 15
16 | Is this right? | 16
17 |                               | 17
18 | +-----+ +-----+ +-----+ | 18
19 | | Yes | | No | | EXIT | | 19
20 | +-----+ +-----+ +-----+ | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|------------|---------|---|
| tfr_amt | O | X(25) / \$ | L | Display the transfer amount that was input by the customer. Format trf_amt based on the transfer transaction currency code. |

STR 44549-S

STR 45089-S

Standard Data Elements: Screen TN5704a (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|----------------|-----|--------|---------|---|
| srceacct_desc1 | O | X(18) | L | For ICC Card Class 91 transfers and payments, display the name of the source Product Category chosen: 1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 4 - "Time Deposit" 5 - "Savings/Investment" 6 - "Line of Credit" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" |
| srceacct_no1 | O | X(22) | L | Display the account number for the source account from the profile message. |
| destacct_desc1 | O | X(18) | L | For ICC Card Class 91 transfers or payments, display the name of the destination Product Category chosen: 1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 5 - "Savings/Investment" 6 - "Line of Credit" 7 - "Mortgage" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" |
| destacct_no1 | O | X(22) | L | Display the account number for the destination account from the profile message. |

Screen Transition: See Figure 5-3.

Comments: If PIN re-entry is not required because this is the first transaction of the session, send FC4402.

STR 44537-S
STR 46731-S

STR 45089-S

Screen TN5705. Transfer Amount With Comma - Off-U's

```

1111111111222222222233333333334
1234567890123456789012345678901234567890

```

| | | | | | | |
|----|-------------------------------------|---|---|-------|---|----|
| 1 | Tell me the amount you want to | | | | 1 | |
| 2 | transfer from XXXXXXXX to XXXXXXXX. | | | | 2 offus_srceacct_desc1/offus_destacct_desc1 | |
| 3 | Use the comma, please. Then touch | | | | 3 | |
| 4 | ENTER.. (Touch CLEAR to erase.) | | | | 4 | |
| 5 | +-----+ | | | | 5 | |
| 6 | XXXXXX----- | | | | 6 ccode/tfr_amt_d | |
| 7 | +-----+ | | | | 7 | |
| 8 | | | | | 8 | |
| 9 | 1 | 2 | 3 | ENTER | 9 | |
| 10 | | | | | 10 | |
| 11 | +-----+ | | | | 11 | |
| 12 | | | | | 12 | |
| 13 | 4 | 5 | 6 | ENTER | 13 | |
| 14 | | | | | 14 | |
| 15 | +-----+ | | | | 15 | |
| 16 | | | | | 16 | |
| 17 | 7 | 8 | 9 | ENTER | 17 | |
| 18 | +-----+ | | | | 18 | |
| 19 | CLEAR | 0 | , | | EXIT | 19 |
| 20 | +-----+ | | | | | 20 |

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|----------------------|-----|--------|---------|--|
| offus_srceacct_desc1 | O | X(8) | V | Display one of the following based on the source account type: 001 - "Checking" 004 - "Savings" |
| offus_destacct_desc1 | O | X(8) | V | Display one of the following based on the destination account type: 001 - "Checking" 004 - "Savings" |
| ccode | O | X(6) | R | Display the currency descriptor for the transfer transaction currency code. |

STR 45089-S STR 46579-S
STR 44550-S STR 48212-S

Standard Data Elements: Screen TN5705 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|---|
| tfr_amt_d | I | 9(15) | | <p>Entry is typewriter style, left to right. If two decimal places are supported for the default transfer currency, valid tfr_amt_a is \leq 99999999999.99 and \geq .01.</p> <p>If three decimal places are supported for the default transfer currency, valid tfr_amt_a is \leq 99999999999.999 and \geq .001.</p> |

Screen Transition: See Figure 5-4.

Comments: The touch echo for the "decimal point" touch area should be a *comma*.

STR 44550-S

Screen TN5705a. Transfer Amount With Comma - On-Us

```

111111111122222222223333333334
1234567890123456789012345678901234567890
+-----+
1 | Tell me the amount you want to | 1
2 | XXXXXXXX XXXXXXXXXXXXXXXXXXXXXXX | 2 trans_pay/acct_desc20
3 | XXXXXXXXXXXXXXXXXXXXXXX. | 3 acct_no14
4 | Use the comma, please. | 4
5 | +-----+ | 5
6 | |XXXXXX-----| | 6 ccode/tfr_amt_d
7 | +-----+ | 7
8 | | | | 8
9 | | 1 | | 2 | | 3 | | 9
10 | | | | 10
11 | +-----+ ENTER | 11
12 | | | | 12
13 | | 4 | | 5 | | 6 | | 13
14 | | | | 14
15 | +-----+ | 15
16 | | | | 16
17 | | 7 | | 8 | | 9 | | 17
18 | +-----+ | 18
19 | CLEAR | 0 | , | EXIT | 19
20 | | | | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|----------|
|-----------|-----|--------|---------|----------|

| | | | | |
|-----------|---|------|---|--|
| trans_pay | O | X(8) | V | For ICC Card Class 91, if the CA Category associated with the destination Product Category is "Checking and Current" or "Savings and Investment", then display "transfer". |
|-----------|---|------|---|--|

Else, display "pay".

| | |
|-------------|-------------|
| STR 44474-S | STR 44550-S |
| STR 45089-S | STR 46579-S |

Standard Data Elements: Screen TN5705a (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|--|
| acct_desc20 | O | X(21) | V | <p>For ICC Card Class 91 transfers, display "to" followed by a space and then the name of the destination Product Category chosen:</p> <p>1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 5 - "Savings/Investment"</p> <p>For ICC Card Class 91 payments, display "to" followed by a space and then the name of the destination Product Category chosen:</p> <p>6 - "Line of Credit" 7 - "Mortgage" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club"</p> |
| acct_no14 | O | X(22) | V | For ICC Card Class 91 transfers and payments, display the account number for the account chosen from the profile. |
| ccode | O | X(6) | R | Display the currency descriptor for the transaction currency code. |
| tfr_amt_d | I | 9(15) | | <p>Entry is typewriter style, left to right. If two decimal places are supported for the default transfer currency, valid tfr_amt_a is $\leq 999999999999,99$ and $\geq ,01$.</p> <p>If three decimal places are supported for the default transfer currency, valid tfr_amt_a is $\leq 999999999999,999$ and $\geq ,001$.</p> |

Screen Transition: See Figure 5-4.

Comments: The character for the "decimal point" touch area should be a *comma*.

STR 44537-S
STR 45089-S
STR 46544-S

STR 44546-S
STR 44474-S
STR 44550-S

Screen TN5707. New Balances - Off-U's

```

11111111112222222223333333334
123456789012345678901234567890
+-----+
1 | I just transferred | 1
2 | XXXXXXXXXXXXXXXXXXXX | 2 tfr_amt
3 | from XXXXXXXX to XXXXXXXX. | 3 offus_srceacct_desc1/offus_destacct_desc1
4 +-----+ 4
5 | Your new XXXXXXXX XXXXXXXXXXXX: | 5 offus_srceacct_desc3/offus_txt3
6 | X | 6 txt3a
7 | XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXX | 7 offus_bal1/offus_bal_txt1
8 | XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXX | 8 offus_bal2/offus_bal_txt2
9 | | 9
10 | Your new XXXXXXXX XXXXXXXXXXXX: | 10 offus_destacct_desc3/offus_txt4
11 | X | 11 txt4a
12 | XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXX | 12 offus_bal3/offus_bal_txt3
13 | XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXX | 13 offus_bal4/offus_bal_txt4
14 +-----+ 14
15 | | 15
16 | May I help you with something else? | 16
17 | | 17
18 | +-----+ +-----+ +-----+ | 18
19 | | Yes | | No | | EXIT | | 19
20 | +-----+ +-----+ +-----+ | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|----------------------|-----|----------|---------|---|
| tfr_amt | O | X(25)/\$ | L | Display the transfer amount that was input by the customer. Format tfr_amt based on the transfer transaction currency code. |
| offus_srceacct_desc1 | O | X(8) | V | Display one of the following based on the source account type: 001 - "Checking" 004 - "Savings" |
| offus_destacct_desc1 | O | X(8) | V | Display one of the following based on the destination account type: 001 - "Checking" 004 - "Savings" |

STR 45089-S

STR 48212-S

Standard Data Elements: Screen TN5707 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|----------------------|-----|------------|---------|---|
| offus_srceacct_desc3 | O | X(8) | V | Display one of the following based on the source account type: 001 - "Checking" 004 - "Savings" |
| offus_txt3 | O | X(12) | V | If Current_Bal and Avail_Bal from the Srceacct_Info structure in FC4402 were both returned, display "balances are". Otherwise, display "balance is". |
| txt3a | O | X(1) | L | If the language for this session is English, leave blank. |
| offus_bal1 | O | X(25) / \$ | R | If Current_Bal from the Srceacct_Info structure was returned in FC4402, display Current_Bal from the Srceacct_Info structure in FC4402. Format Current_Bal based on Currency_Cde from the Srceacct_Info structure in FC4201. If Current_Bal from the Srceacct_Info structure was <i>not</i> returned in FC4402, display Avail_Bal from the Srceacct_Info structure in FC4402. Format Avail_Bal based on Currency_Cde from the Srceacct_Info structure in FC4402. |
| offus_bal_txt1 | O | X(13) | L | If Current_Bal from the Srceacct_Info structure was returned in FC4402, display "on deposit". If Current_Bal from the Srceacct_Info structure was <i>not</i> returned in FC4402, display "available now". |
| offus_bal2 | O | X(19) / Z | R | If Current_Bal from the Srceacct_Info structure was returned in FC4402 and Avail_Bal from the Srceacct_Info structure was returned in FC4402, then display Avail_Bal from Srceacct_Info structure in FC4402. Format Avail_Bal based on Currency_Cde from the Srceacct_Info structure in FC4402. Else, leave blank. |
| offus_bal_txt2 | O | X(13) | L | If Current_Bal from the Srceacct_Info structure was returned in FC4402 and Avail_Bal from the Srceacct_Info structure was returned in FC4402, display "available now". Otherwise, leave blank. |

STR 45089-S
STR 48212-S

Standard Data Elements: Screen TN5707 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|----------------------|-----|------------|---------|---|
| offus_destacct_desc3 | O | X(8) | V | Display one of the following based on the destination account type: 001 - "Checking" 004 - "Savings" |
| offus_txt4 | O | X(12) | V | If Current_Bal and Avail_Bal from the Destacct_Info structure in FC4402 were both returned, display "balances are". Otherwise, display "balance is". |
| txt4a | O | X(1) | L | If the language for this session is English, leave blank. |
| offus_bal3 | O | X(25) / \$ | R | If Current_Bal from the Destacct_Info structure was returned in FC4402, display Current_Bal from the Destacct_Info structure in FC4402. Format Current_Bal based on Currency_Cde from the Destacct_Info structure in FC4201. If Current_Bal from the Destacct_Info structure was <i>not</i> returned in FC4402, display Avail_Bal from Destacct_Info structure in FC4402. Format Avail_Bal based on Currency_Cde from the Destacct_Info structure in FC4402. |
| offus_bal_txt3 | O | X(13) | L | If Current_Bal from the Destacct_Info structure was returned in FC4402, display "on deposit". If Current_Bal from the Destacct_Info structure was <i>not</i> returned in FC4402, display "available now". |
| offus_bal4 | O | X(19) / Z | R | If Current_Bal from the Destacct_Info structure was returned in FC4402 and Avail_Bal from the Destacct_Info structure was returned in FC4402, display Avail_Bal from Destacct_Info structure in FC4402. Format Avail_Bal based on Currency_Cde from the Destacct_Info structure in FC4402. Otherwise, leave blank. |
| offus_bal_txt4 | O | X(13) | L | If Current_Bal from the Destacct_Info structure was returned in FC4402 and Avail_Bal from the Destacct_Info structure was returned in FC4402, display "available now". Otherwise, leave blank. |

STR 45089-S

STR 48212-S

Screen Transition: See Figure 5-5.

Comments: This screen is displayed after a successful transfer in which at least one balance was returned for both the source account and the destination account.

Screen TN5707a. New Balances - On-Us

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1| I just transferred | 1
2| XXXXXXXXXXXXXXXXXXXXXXXXXXXX | 2 tfr_amt
3| from XXXXXXXXXXXXXXXXXXXX | 3 srceacct_desc1
4| to XXXXXXXXXXXXXXXXXXXX. | 4 destacct_desc1
5+-----+ 5
6| Your new XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX | 6 srceacct_desc3/srceacct_no8
7| XXXXXXXXXXXX: | 7 txt3/txt3a (not shown)
8| XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX | 8 bal1/bal_txt1
9| XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX | 9 bal2/bal_txt2
10 | 10
11| Your new XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX | 11 destacct_desc3/destacct_no8
12| XXXXXXXXXXXX: | 12 txt4/txt4a (not shown)
13| XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX | 13 bal3/bal_txt3
14| XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX | 14 bal4/bal_txt4
15+-----+ 15
16| May I help you with something else? | 16
17| | 17
18| +-----+ +-----+ +-----+ | 18
19| | Yes | | No | | EXIT | | 19
20| +-----+ +-----+ +-----+ | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|----------|---------|---|
| tfr_amt | O | X(25)/\$ | L | Display the transfer amount that was input by the customer. Format tfr_amt based on the transfer transaction currency code. |

STR 44655-S

STR 45089-S

Standard Data Elements: Screen TN5707a (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|----------------|-----|--------|---------|---|
| srceacct_desc1 | O | X(18) | V | For ICC Card Class 91 transfers and payments, display the name of the source Product Category chosen: 1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 4 - "Time Deposit" 5 - "Savings/Investment" 6 - "Line of Credit" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" |
| destacct_desc1 | O | X(18) | V | For ICC Card Class 91 transfers or payments, display the name of the destination Product Category chosen: 1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 5 - "Savings/Investment" 6 - "Line of Credit" 7 - "Mortgage" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" |
| srceacct_desc3 | O | X(18) | V | For ICC Card Class 91 transfers and payments, display the name of the source Product Category chosen: 1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 4 - "Time Deposit" 5 - "Savings/Investment" 6 - "Line of Credit" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" |

STR 44537-S
STR 46731-S

STR 45089-S
STR 46544-S

Standard Data Elements: Screen TN5707a (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|---------------|-----|------------|---------|--|
| sreceacct_no8 | O | X(22) | L | Display the account number for the source account from the Message 4402 response (elemid 7012), if received. Otherwise, display the source account number from the Message 4402 request. |
| txt3 | O | X(12) | V | <p>If both valid resulting balances are returned in the Sreceacct_Info structure in FC4402, display "balances are".</p> <p>If only one valid balance is returned, then display "balance is".</p> <p>(NO TAG summarizes all of the balances that are valid for products that can be used as a source for a transfer.)</p> |
| txt3a | O | X(1) | V | If the language for this session is English, leave blank. |
| bal1 | O | X(25) / \$ | R | <p>Display the first valid balance returned in the Sreceacct_Info structure in FC4402.</p> <p>Format the balance based on the Currency_Cde from the Sreceacct_Info structure in FC4402. (See comments below.)</p> |
| bal_txt1 | O | X(24) | L | Display the balance text for the source account's first valid balance. The text to display can be found in NO TAG. |
| bal2 | O | X(19) / Z | R | <p>Display the second valid balance in the Sreceacct_Info structure in FC4402, if one is returned.</p> <p>Else, if no balance is returned, leave blank.</p> <p>Format the balance based on the Currency_Cde from the Sreceacct_Info structure in FC4402. (See comments below.)</p> |

STR 46739-S

STR 44655-S

Standard Data Elements: Screen TN5707a (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|----------------|-----|--------|---------|---|
| bal_txt2 | O | X(24) | L | <p>Display the balance text for the source account's second valid balance, if it is returned. The text to display can be found in NO TAG.</p> <p>Else, if no balance is returned, leave blank.</p> |
| destacct_desc3 | O | X(18) | V | <p>For ICC Card Class 91 transfers or payments, display the name of the destination Product Category chosen:</p> <ul style="list-style-type: none"> 1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 5 - "Savings/Investment" 6 - "Line of Credit" 7 - "Mortgage" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" |
| destacct_no8 | O | X(22) | L | <p>Display the account number for the destination account from the Message 4402 response (elemid 7013), if received. Otherwise, display the destination account number from the Message 4402 request.</p> |
| txt4 | O | X(12) | V | <p>If both valid resulting balances are returned in the Destacct_Info structure in FC4402, display "balances are".</p> <p>If only one valid balance is returned, then display "balance is".</p> <p>(Table 6-1 summarizes all of the balances that are valid for products that can be used as the destination for a transfer or payment.)</p> |

STR 44537-S
STR 45089-S

STR 44655-S

Standard Data Elements: Screen TN5707a (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|------------|---------|---|
| txt4a | O | X(1) | V | If the language for this session is English, leave blank. |
| bal3 | O | X(25) / \$ | R | Display the first valid balance returned in the Destacct_Info structure in FC4402. Format the balance based on the Currency_Cde from the Destacct_Info structure in FC4402. (See comments below.) |
| bal_txt3 | O | X(24) | L | Display the balance text for the destination account's first valid balance. The text to display can be found in NO TAG. |
| bal4 | O | X(19) / Z | R | Display the second valid balance in the Destacct_Info structure in FC4402, if one is returned. Else, if no balance is returned, leave blank. Format the balance based on the Currency_Cde from the Destacct_Info structure in FC4402. (See comments below.) |
| bal_txt4 | O | X(24) | L | Display the balance text for the destination account's second valid balance, if it is returned. The text to display can be found in NO TAG. Else, if no balance is returned, leave blank. |

Screen Transition: See Figure 5-5.

Comments: This screen is displayed after a successful transfer in which at least one balance was returned for both the source account and the destination account.

NOTE

When displaying balances, if more than one "Current Balance" is returned, display the one that has the same currency code as the currency code associated with the account as found in the profile.

Screen TN5708. New Balances - Off-U's

```

11111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 | I just transferred                 | 2
3 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 3 tfr_amt
4 | from XXXXXXXXX to XXXXXXXXX.     | 4 offus_srceacct_desc1/offus_destacct_desc1
5 |                                     | 5
6 +-----+                         | 6
7 | Your new XXXXXXXXX XXXXXXXXXXXXXXX: | 7 offus_acct_desc7/offus_txt5
8 | X                                   | 8 txt5a
9 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX | 9 offus_bal5/offus_bal_txt5
10 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX | 10 offus_bal6/offus_bal_txt6
11 +-----+                         | 11
12 |                                     | 12
13 | May I help you with something else? | 13
14 |                                     | 14
15 | +-----+           +-----+ | 15
16 | | Yes |           | No | | 16
17 | +-----+           +-----+ | 17
18 |                                     | 18
19 |                                     | 19
20 |                                     | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|----------------------|-----|----------|---------|---|
| tfr_amt | O | X(25)/\$ | L | Display the transfer amount that was input by the customer. Format tfr_amt based on the transfer transaction currency code. |
| offus_srceacct_desc1 | O | X(8) | V | Display one of the following based on the source account type: 001 - "Checking" 004 - "Savings" |
| offus_destacct_desc1 | O | X(8) | V | Display one of the following based on the destination account type: 001 - "Checking" 004 - "Savings" |

STR 45089-S
STR 48212-S

Standard Data Elements: Screen TN5708 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------------|-----|------------|---------|---|
| offus_acct_desc7 | O | X(8) | V | Depending upon the account type for which balances were received, display one of the following: 001 - "Checking" 004 - "Savings" |
| offus_txt5 | O | X(12) | V | Depending upon which of the accounts you received balances for, if both Current_Bal and Avail_Bal were received, display "balances are". Otherwise, display "balance is". |
| txt5a | O | X(1) | L | If the language for this session is English, leave blank. |
| offus_bal5 | O | X(25) / \$ | R | If Current_Bal from the Srceacct_Info structure <i>or</i> the Destacct_Info structure was returned in FC4402, display Current_Bal from the Srceacct_Info structure <i>or</i> the Destacct_Info structure in FC4402. Format Current_Bal based on Currency_Cde from the Srceacct_Info structure <i>or</i> the Destacct_Info structure in FC4201. If Current_Bal from the Srceacct_Info structure <i>or</i> the Destacct_Info structure was <i>not</i> returned in FC4402, display Avail_Bal from Srceacct_Info structure <i>or</i> the Destacct_Info structure in FC4402. Format Avail_Bal based on Currency_Cde from the Srceacct_Info structure <i>or</i> the Destacct_Info structure in FC4402. |
| offus_bal_txt5 | O | X(13) | L | If Current_Bal from the Srceacct_Info structure <i>or</i> the Destacct_Info structure was returned in FC4402, display "on deposit". If Current_Bal from the Srceacct_Info structure <i>or</i> the Destacct_Info structure was <i>not</i> returned in FC4402, display "available now". |

STR 45089-S

STR 48212-S

Standard Data Elements: Screen TN5708 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|----------------|-----|---------|---------|--|
| offus_bal6 | O | X(19)/Z | R | If Current_Bal from the Srceacct_Info structure <i>or</i> the Destacct_Info structure was returned in FC4402 and Avail_Bal from the Srceacct_Info structure <i>or</i> the Destacct_Info structure was returned in FC4402, display Avail_Bal from the Srceacct_Info structure <i>or</i> the Destacct_Info structure in FC4402. Format Avail_Bal based on Currency_Cde from the Srceacct_Info structure <i>or</i> the Destacct_Info structure in FC4402. Otherwise, leave blank. |
| offus_bal_txt6 | O | X(13) | L | If Current_Bal from the Srceacct_Info structure <i>or</i> the Destacct_Info structure was returned in FC4402 and Avail_Bal from the Srceacct_Info structure <i>or</i> the Destacct_Info structure was returned in FC4402, display "available now". Otherwise, leave blank. |

Screen Transition: See Figure 5-5.

Comments: This screen is displayed after a successful transfer in which at least one balance was returned for either the source account or the destination account, and no balances were returned for the other account.

STR 45089-S

Screen TN5708a. New Balances - On-Us

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 | I just transferred | 1
2 | XXXXXXXXXXXXXXXXXXXXXXXXXXXX | 2
3 | from XXXXXXXXXXXXXXXXXXXX | 3 tfr_amt
4 | to XXXXXXXXXXXXXXXXXXXX. | 4 srceacct_desc1
5 | | 5 destacct_desc1
6 | | 6
7 | Your new XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXX | 7 acct_desc7/transacct_no1
8 | XXXXXXXXXXXXXXX: | 8 txt5/txt5a (not shown)
9 | XXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXX | 9 bal5/bal_txt5
10 | XXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXX | 10 bal6/bal_txt6
11 | | 11
12 | | 12
13 | May I help you with something else? | 13
14 | | 14
15 | +-----+ | 15
16 | | Yes | | No | | 16
17 | +-----+ | +-----+ | 17
18 | | | | 18
19 | | EXIT | | 19
20 | | | | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|----------------|-----|----------|---------|---|
| tfr_amt | O | X(25)/\$ | L | Display the transfer amount that was input by the customer. Format tfr_amt based on the transfer transaction currency code. |
| srceacct_desc1 | O | X(18) | V | For ICC Card Class 91 transfers and payments, display the name of the source Product Category chosen: 1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 4 - "Time Deposit" 5 - "Savings/Investment" 6 - "Line of Credit" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" |

STR 45089-S

STR 46731-S

STR 44537-S

Standard Data Elements: Screen TN5708a (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|----------------|-----|--------|---------|---|
| destacct_desc1 | O | X(18) | V | <p>For ICC Card Class 91 transfers or payments, display the name of the destination Product Category chosen:</p> <ul style="list-style-type: none"> 1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 5 - "Savings/Investment" 6 - "Line of Credit" 7 - "Mortgage" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" |
| acct_desc7 | O | X(18) | V | <p>For ICC Card Class 91 transfers and payments, display one of the following, depending upon the Product Category for which balances were received:</p> <ul style="list-style-type: none"> 1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 4 - "Time Deposit" 5 - "Savings/Investment" 6 - "Line of Credit" 7 - "Mortgage" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" |

STR 44537-S
STR 46731-S

STR 45089-S
STR 46544-S

Standard Data Elements: Screen TN5708a (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|---------------|-----|------------|---------|--|
| transacct_no1 | O | X(22) | L | <p>If a source balance(s) is received, display the account number for the source account from the Message 4402 response (elemid 7012), if received. Otherwise, display the source account number from the Message 4402 request.</p> <p>If a destination balance(s) is received, display the account number for the destination account from the Message 4402 response (elemid 7013), if received. Otherwise, display the destination account number from the Message 4402 request.</p> |
| txt5 | O | X(12) | V | <p>If both valid resulting balances were returned for either the source or the destination account, display "balances are".</p> <p>If only one valid balance is returned for either the source or the destination account, then display "balance is".</p> <p>(NO TAG summarizes all of the balances that are valid for products that can be used as a source or destination for a transfer.)</p> |
| txt5a | O | X(1) | V | If the language for this session is English, leave blank. |
| bal5 | O | X(25) / \$ | R | <p>Display the first valid balance returned in FC4402.</p> <p>Format the balance based on the Currency_Cde returned. (See comments below.)</p> |
| bal_txt5 | O | X(24) | L | Display the balance for the first valid balance returned. The text to display can be found in NO TAG. |
| bal6 | O | X(19) / Z | R | <p>Display the second valid balance returned in FC4402, if one is returned.</p> <p>Else, leave blank.</p> <p>Format the balance based on the Currency_Cde returned. (See comments below.)</p> |

STR.44802-S

STR 46544-S

Standard Data Elements: Screen TN5708a (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|---|
| bal_txt6 | O | X(24) | L | Display the balance for the second valid balance returned. The text to display can be found in NO TAG. If no valid second balance is returned, then leave blank. |

Screen Transition: See Figure 5-5.

Comments: This screen is displayed after a successful transfer in which at least one balance was returned for either the source account or the destination account, and no balances were returned for the other account.

NOTE

When displaying balances, if more than one "Current Balance" is returned, display the one that has the same currency code as the currency code associated with the account as found in the profile.

Screen TN5709. I Just Transferred (No Balances) - Off-Us

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 | Okay. I just transferred          | 5
6 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXX     | 6 tfr_amt
7 | from XXXXXXXXX to XXXXXXXXX.      | 7 offus_srceacct_desc1/offus_destacct_desc1
8 |                                     | 8
9 |                                     | 9
10 |                                     | 10
11 |                                     | 11
12 |                                     | 12
13 | May I help you with something else? | 13
14 |                                     | 14
15 | +-----+           +-----+    | 15
16 | | Yes  |           | No  |      | 16
17 | +-----+           +-----+    | 17
18 |                                     | 18
19 |                                     | 19
20 |                                     | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|----------------------|-----|----------|---------|---|
| tfr_amt | O | X(25)/\$ | L | Display the transfer amount that was input by the customer. Format tfr_amt based on the transfer transaction currency code. |
| offus_srceacct_desc1 | O | X(8) | V | Display one of the following based on the source account type: 001 - "Checking" 004 - "Savings" |
| offus_destacct_desc1 | O | X(8) | V | Display one of the following based on the destination account type: 001 - "Checking" 004 - "Savings" |

Screen Transition: See Figure 5-5.

Comments: This screen is displayed where there was a successful transfer, but where no balance information was returned.

STR 45089-S

STR 48212-S

Screen TN5709a. I Just Transferred (No Balances) - On-Us

```

11111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1|                                     | 1
2| Okay.  I just transferred         | 2
3|                                     | 3
4|-----+-----+                     | 4
5|           XXXXXXXXXXXXXXXXXXXXXXX | 5 tfr_amt
6|                                     | 6
7|       from XXXXXXXXXXXXXXXXXXXXX | 7 srceacct_desc1
8|           XXXXXXXXXXXXXXXXXXXXXXX | 8 srceacct_no8
9|                                     | 9
10|      to  XXXXXXXXXXXXXXXXXXXXX | 10 destacct_desc1
11|           XXXXXXXXXXXXXXXXXXXXXXX | 11 destacct_no8
12|                                     | 12
13|-----+-----+                     | 13
14|                                     | 14
15|                                     | 15
16| May I help you with something else? | 16
17|                                     | 17
18| +-----+       +-----+       +-----+ | 18
19| | Yes |         | No |         | EXIT | | 19
20| +-----+       +-----+       +-----+ | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|----------|---------|---|
| tfr_amt | O | X(25)/\$ | L | Display the transfer amount that was input by the customer. Format tfr_amt based on the transfer transaction currency code. |

STR 44655-S
STR 45089-S

Standard Data Elements: Screen TN5709a (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|----------------|-----|--------|---------|---|
| srceacct_desc1 | O | X(18) | L | For ICC Card Class 91 transfers and payments, display the name of the source Product Category chosen: 1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 4 - "Time Deposit" 5 - "Savings/Investment" 6 - "Line of Credit" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" |
| srceacct_no8 | O | X(22) | L | Display the account number for the source account from the Message 4402 response (elemid 7012), if received. Otherwise, display the source account number from the Message 4402 request. |
| destacct_desc1 | O | X(18) | L | For ICC Card Class 91 transfers or payments, display the name of the destination Product Category chosen: 1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 5 - "Savings/Investment" 6 - "Line of Credit" 7 - "Mortgage" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" |
| destacct_no8 | O | X(22) | L | Display the account number for the destination account from the Message 4402 response (elemid 7013), if received. Otherwise, display the destination account number from the Message 4402 request. |

Screen Transition: See Figure 5-5.

Comments: This screen is displayed where there was a successful transfer, but where no balance information was returned.

STR 44537-S
STR 45089-SSTR 44655-S
STR 46731-S

Screen TN5710. Won't Make The Transfer

```

1111111111222222222233333333334
123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 |                                     | 6
7 | Okay.  I won't make the transfer. | 7
8 |                                     | 8
9 |                                     | 9
10|                                     | 10
11|                                     | 11
12|                                     | 12
13| May I help you with something else? | 13
14|                                     | 14
15| +-----+      +-----+      | 15
16| | Yes  |      | No  |      | 16
17| +-----+      +-----+      | 17
18|                                     | 18
19|                                     | 19
20|                                     | 20
+-----+

```

Screen Transition: See Figure 5-3, Figure 5-7.

Standard Data Elements

Screen Transition: See Figure 5-6.

5-53

Screen TN5711a. Transfer NSF With Balances - On-Us

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 | I'm sorry. I can't do that right now. | 3
4 |                                     | 4
5 | You have XXXXXXXXXXXXXXXXXXXXXXXXXX | 5 Avail_Bal
6 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 6 avail_advnc
7 | XXXXXXXXXXXXXXXXXXXXXXXXXX | 7 srceacct_desc4
8 | XXXXXXXXXXXXXXXXXXXXXXXXXX and you want | 8 srceacct_no4
9 | to transfer XXXXXXXXXXXXXXXXXXXXXXXXXX. | 9 tfr_amt
10 |                                     | 10
11 |                                     | 11
12 |                                     | 12
13 | May I help you with something else? | 13
14 |                                     | 14
15 | +-----+ | +-----+ | 15
16 | | Yes | | | No | | 16
17 | +-----+ | +-----+ | 17
18 |                                     | +-----+ | 18
19 |                                     | | EXIT | | 19
20 |                                     | +-----+ | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|------------|---------|--|
| Avail_Bal | O | X(25) / \$ | L | <p>If the source account requested is a debit account, display Avail_Bal (ID7104) from the Srceacct_Info structure in FC4402.</p> <p>If the source account requested is a Line of Credit account, display Avail_Credit (ID7108) from the Srceacct_Info structure in FC4402. For all other source credit products, use the Cash Advance Amount (ID7140) from the Srceacct_Info structure in FC4402.</p> <p>Format the balance based on Currency_Cde from the Srceacct_Info structure in FC4402.</p> |

STR 45089-S

Standard Data Elements: Screen TN5711a (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|----------------|-----|----------|---------|---|
| avail_advnc | O | X(32) | L | For ICC Card Class 91, if the CA Category associated with the source account is "Checking and Current" or "Savings and Investment", then display "available in". Else, if the CA Category associated with the source account is "Credit Cards" or "Loans and Other Credit", then display "available for cash advances from". |
| srceacct_desc4 | O | X(18) | L | For ICC Card Class 91 transfers and payments, display the name of the source Product Category chosen: 1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 4 - "Time Deposit" 5 - "Savings/Investment" 6 - "Line of Credit" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" |
| srceacct_no4 | O | X(22) | V | Display the account number for the source account from the Message 4402 response (elemid 7012), if received. Otherwise, display the source account number from the Message 4402 request. |
| tfr_amt | O | X(25)/\$ | V | Display the transfer amount that was input by the customer. Format tfr_amt based on the transfer transaction currency code. |

Screen Transition: See Figure 5-6.

| | |
|-------------|-------------|
| STR 44545-S | STR 44537-S |
| STR 44812-S | STR 45089-S |
| STR 46544-S | STR 46731-S |

Screen TN5712. Transfer NSF Without Balances - Off-Us

```

11111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 | I'm sorry.  I can't do that right now. | 4
5 |                                     | 5
6 | You do not have enough money         | 6
7 | available in XXXXXXXX to transfer    | 7 offus_srceacct_desc4
8 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX.    | 8 tfr_amt
9 |                                     | 9
10 |                                     | 10
11 |                                     | 11
12 |                                     | 12
13 | May I help you with something else? | 13
14 |                                     | 14
15 | +-----+           +-----+      | 15
16 | | Yes  |           | No  |          | 16
17 | +-----+           +-----+      | 17
18 |                                     | 18
19 |                                     | 19
20 |                                     | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|----------------------|-----|----------|---------|---|
| offus_srceacct_desc4 | O | X(8) | V | Display one of the following based on the source account type: 001 - "Checking" 004 - "Savings" |
| tfr_amt | O | X(25)/\$ | L | Display the transfer amount that was input by the customer. Format tfr_amt based on the transfer transaction currency code. |

Screen Transition: See Figure 5-6.

STR 45089-S

STR 48212-S

Screen TN5712a. Transfer NSF Without Balances - On-Us

```

111111111122222222223333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 | I'm sorry. I can't do that right now. | 3
4 |                                     | 4
5 | You do not have enough money         | 5
6 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX    | 6 avail_advnc
7 | XXXXXXXXXXXXXXXXXXXXXXXX            | 7 srceacct_desc4
8 | XXXXXXXXXXXXXXXXXXXXXXXX to transfer | 8 srceacct_no4
9 | XXXXXXXXXXXXXXXXXXXXXXXX.           | 9 trf_amt
10 |                                     | 10
11 |                                     | 11
12 |                                     | 12
13 | May I help you with something else? | 13
14 |                                     | 14
15 | +-----+           +-----+      | 15
16 | | Yes |           | No |          | 16
17 | +-----+           +-----+      | 17
18 |                                     | 18
19 |                                     | 19
20 |                                     | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|---|
| avail_advnc | O | X(32) | L | For ICC Card Class 91, if the CA Category associated with the source account is "Checking and Current" or "Savings and Investment", then display "available in". Else, if the CA Category associated with the source account is "Credit Cards" or "Loans and Other Credit", then display "available for cash advances from". |

STR 45089-S

Standard Data Elements: Screen TN5712a (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|----------------|-----|----------|---------|---|
| srceacct_desc4 | O | X(18) | L | For ICC Card Class 91 transfers and payments, display the name of the source Product Category chosen: 1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 4 - "Time Deposit" 5 - "Savings/Investment" 6 - "Line of Credit" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" |
| srceacct_no4 | O | X(22) | V | Display the account number for the source account from the Message 4402 response (elemid 7012), if received. Otherwise, display the source account number from the Message 4402 request. |
| tfr_amt | O | X(25)/\$ | V | Display the transfer amount that was input by the customer. Format tfr_amt based on the transfer transaction currency code. |

Screen Transition: See Figure 5-6.

STR 44537-S
STR 45089-S
STR 46544-S

STR 44812-S
STR 46731-S

Screen TN5713. Multi-Currency Transfer Not Allowed - Off-Us

```

111111111122222222223333333334
1234567890123456789012345678901234567890
+-----+
1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
I'm sorry. I can't do that right now.
I can't transfer that currency between
your Checking and your Savings.
May I help you with something else?
+-----+ +-----+
| Yes | | No |
+-----+ +-----+
+-----+
| EXIT |
+-----+

```

Screen Transition: See Figure 5-6.

Screen TN5713a. Multi-Currency Transfer Not Allowed - On-Us

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 | I'm sorry. I can't do that right now. | 3
4 |                                     | 4
5 | I can't transfer that currency between | 5
6 | your XXXXXXXXXXXXXXXXXXXX          | 6 srceacct_desc5
7 |   XXXXXXXXXXXXXXXXXXXXXXXXXXXX      | 7 srceacct_no5
8 | and your                            | 8
9 |   XXXXXXXXXXXXXXXXXXXXXXXXXXXX      | 9 destacct_desc5
10 |  XXXXXXXXXXXXXXXXXXXXXXXXXXXX.      |10 destacct_no5
11 |                                     |11
12 |                                     |12
13 | May I help you with something else? |13
14 |                                     |14
15 | +-----+           +-----+      |15
16 | | Yes |           | No |           |16
17 | +-----+           +-----+      |17
18 |                                     |18
19 |                                     |19
20 |                                     |20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|----------------|-----|--------|---------|---|
| srceacct_desc5 | O | X(18) | L | For Card Classes Off-Us 10 - Off-Us 13, leave blank. For ICC Card Class 91 transfers and payments, display the name of the source Product Category chosen: 1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 4 - "Time Deposit" 5 - "Savings/Investment" 6 - "Line of Credit" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" |

STR 45089-S

STR 44537-S

STR 46731-S

Standard Data Elements: Screen TN5713a (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|----------------|-----|--------|---------|---|
| srceacct_no5 | O | X(22) | L | Display the account number for the source account from the Message 4402 response (elemid 7012), if received. Otherwise, display the source account number from the Message 4402 request. |
| destacct_desc5 | O | X(18) | L | For ICC Card Class 91 transfers or payments, display the name of the destination Product Category chosen: 1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 5 - "Savings/Investment" 6 - "Line of Credit" 7 - "Mortgage" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" |
| destacct_no5 | O | X(22) | V | Display the account number for the destination account from the Message 4402 response (elemid 7013), if received. Otherwise, display the destination account number from the Message 4402 request. |

Screen Transition: See Figure 5-6.

STR 44537-S
STR 45089-S

STR 44812-S
STR 46544-S

Screen TN5714. Confirm Source/Destination Amounts - Off-Us

```

1111111111222222222233333333334
123456789012345678901234567890
+-----+
1|                                     | 1
2| Okay.  I'm ready to transfer      | 2
3| XXXXXXXXXXXXXXXXXXXXXXXXXXXX from | 3 tfr_amt
4| XXXXXXXXX to XXXXXXXXX.          | 4 offus_srceacct_desc1/offus_destacct_desc1
5+-----+                             | 5
6| The amount that will be deducted | 6
7| from your XXXXXXXXX will be      | 7 offus_srceacct_desc2/Srce_Eqv_Txn_Amt
8| XXXXXXXXX.                      | 8
9| The amount that will be credited | 9
10| to your XXXXXXXXX will be       | 10 offus_destacct_desc2/Dest_Eqv_Txn_Amt
11+-----+                             | 11
12|                                     | 12
13| Would you like to continue?      | 13
14|                                     | 14
15| +-----+           +-----+    | 15
16| | Yes  |           | No  |       | 16
17| +-----+           +-----+    | 17
18|                                     | 18
19|                                     | 19
20|                                     | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|----------------------|-----|----------|---------|---|
| tfr_amt | O | X(25)/\$ | L | Display the transfer amount that was input by the customer. Format tfr_amt based on the transfer transaction currency code. |
| offus_srceacct_desc1 | O | X(8) | V | Display one of the following based on the source account type: 001 - "Checking" 004 - "Savings" |
| offus_destacct_desc1 | O | X(8) | V | Display one of the following based on the destination account type: 001 - "Checking" 004 - "Savings" |

STR 45089-S
STR 48212-S

Standard Data Elements: Screen TN5714 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|----------------------|-----|------------|---------|--|
| offus_srceacct_desc2 | O | X(8) | V | Display one of the following based on the source account type: 001 - "Checking" 004 - "Savings" |
| Src_Eqv_Txn_Amt | O | X(25) / \$ | V | Display Src_Eqv_Txn_Amt, the amount of the transfer in the currency of the source account, from Src_Eqv_Txn_Amt in FC4402. Format Src_Eqv_Txn_Amt based on Src_Crncy_Cde in FC4402. |
| offus_destacct_desc2 | O | X(8) | V | Display one of the following based on the destination account type: 001 - "Checking" 004 - "Savings" |
| Dest_Eqv_Txn_Amt | O | X(25) / \$ | V | Display Dest_Eqv_Txn_Amt, the amount of the transfer in the currency of the destination account, from Dest_Eqv_Txn_Amt in FC4402. Format Dest_Eqv_Txn_Amt based on Dest Crncy_Cde in FC4402. |

Screen Transition: See Figure 5-7.

Messages to/from ESPs: If customer does not want to continue, send FC4403 with Rev_Reason_Cde = Customer Declined.

If the screen times out, or if customer presses **EXIT**, send FC4403 with Rev_Reason_Cde = Timeout or **EXIT**.

STR 45089-S
STR 48212-S

Screen TN5714a. Confirm Source/Destination Amounts - On-Us

```

11111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1| Okay. I'm ready to transfer | 1
2| XXXXXXXXXXXXXXXXXXXXXXXXXX | 2 tfr_amt
3| from XXXXXXXXXXXXXXXXXXXXXX | 3 srceacct_desc1
4| to XXXXXXXXXXXXXXXXXXXXXX.  | 4 destacct_desc1
5+-----+ 5
6| The amount that will be deducted from your | 6
7| XXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXX | 7 srceacct_desc2/srceacct_no8
8| will be XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX. | 8 Srce_Eqv_Txn_Amt
9| | 9
10| The amount that will be credited to your | 10
11| XXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXX | 11 destacct_desc2/destacct_no8
12| will be XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX. | 12 Dest_Eqv_Txn_Amt
13+-----+ 13
14| | 14
15| | 15
16| Would you like to continue? | 16
17| | 17
18| +-----+ +-----+ +-----+ | 18
19| | Yes | | No | | EXIT | | 19
20| +-----+ +-----+ +-----+ | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|----------|---------|---|
| tfr_amt | O | X(25)/\$ | L | Display the transfer amount that was input by the customer. Format tfr_amt based on the transfer transaction currency code. |

STR 44807-S

STR 45147-S

STR 44655-S

STR 45089-S

STR 46738-S

Standard Data Elements: Screen TN5714a (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|----------------|-----|--------|---------|---|
| srceacct_desc1 | O | X(18) | V | For ICC Card Class 91 transfers and payments, display the name of the source Product Category chosen: 1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 4 - "Time Deposit" 5 - "Savings/Investment" 6 - "Line of Credit" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" |
| destacct_desc1 | O | X(18) | V | For ICC Card Class 91 transfers or payments, display the name of the destination Product Category chosen: 1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 5 - "Savings/Investment" 6 - "Line of Credit" 7 - "Mortgage" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" |
| srceacct_desc2 | O | X(18) | V | For ICC Card Class 91 transfers and payments, display the name of the source Product Category chosen: 1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 4 - "Time Deposit" 5 - "Savings/Investment" 6 - "Line of Credit" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" |

STR 44537-S
STR 44807-S
STR 46544-S

STR 45089-S
STR 46731-S

Standard Data Elements: Screen TN5714a (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------------|-----|------------|---------|---|
| srceacct_no8 | O | X(22) | L | Display the account number for the source account from the Message 4402 response (elemid 7012), if received. Otherwise, display the source account number from the Message 4402 request. |
| Srce_Eqv_Txn_Amt | O | X(25) / \$ | V | Display Srce_Eqv_Txn_Amt, the amount of the transfer in the currency of the source account, from Srce_Eqv_Txn_Amt in FC4402. Format Srce_Eqv_Txn_Amt based on Src_Crncy_Cde in FC4402. |
| destacct_desc2 | O | X(18) | V | For ICC Card Class 91 transfers or payments, display the name of the destination Product Category chosen: 1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 5 - "Savings/Investment" 6 - "Line of Credit" 7 - "Mortgage" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" |
| destacct_no8 | O | X(22) | L | Display the account number for the destination account from the Message 4402 response (elemid 7013), if received. Otherwise, display the destination account number from the Message 4402 request. |
| Dest_Eqv_Txn_Amt | O | X(25) / \$ | V | Display Dest_Eqv_Txn_Amt, the amount of the transfer in the currency of the destination account, from Dest_Eqv_Txn_Amt in FC4402. Format Dest_Eqv_Txn_Amt based on Dest_Crncy_Cde in FC4402. |

Screen Transition: See Figure 5-7.

Messages to/from ESPs: If customer does not want to continue, send FC4403 with Rev_Reason_Cde = Customer Declined.

If the screen times out, or if customer presses **EXIT**, send FC4403 with Rev_Reason_Cde = Timeout or EXIT.

STR 44807-S
STR 44655-S
STR 46731-S

STR 44537-S
STR 45089-S

Screen TN5715. Transfer NSF With Balances In Account/Default Currencies - Off-U's

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 | I'm sorry. I can't do that right now. | 3
4 |                                     | 4
5 | You have XXXXXXXXXXXXXXXXXXXXXXXX | 5 offus_Avail_Bal(account)
6 | available in XXXXXXXX and you want | 6 offus_srceacct_desc4
7 | to transfer XXXXXXXXXXXXXXXXXXXXXXXX. | 7 tfr_amt
8 |                                     | 8
9 | The most I can transfer from XXXXXXXX | 9 offus_srceacct_desc4
10 | is XXXXXXXXXXXXXXXXXXXXXXXX. | 10 offus_Avail_Bal(transactions)
11 |                                     | 11
12 |                                     | 12
13 | May I help you with something else? | 13
14 |                                     | 14
15 | +-----+ | +-----+ | 15
16 | | Yes | | | No | | 16
17 | +-----+ | +-----+ | 17
18 |                                     | +-----+ | 18
19 |                                     | | EXIT | | 19
20 |                                     | +-----+ | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|--------------------------|-----|------------|---------|---|
| offus_Avail_Bal(account) | O | X(25) / \$ | L | Display the Avail_Bal in the source account currency from the Srceacct_Info structure in FC4402. Format Avail_Bal based on Currency_Cde from the Srceacct_Info structure in FC4402. |
| offus_srceacct_desc4 | O | X(8) | V | Display one of the following based on the source account type: 001 - "Checking" 004 - "Savings" |
| tfr_amt | O | X(25)/\$ | L | Display the transfer amount that was input by the customer. Format tfr_amt based on the transfer transaction currency code. |

STR 45089-S
STR 48212-S

Standard Data Elements: Screen TN5715 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------------------------|-----|------------|---------|--|
| offus_srceacct_desc4 | O | X(8) | V | Display one of the following based on the source account type: 001 - "Checking" 004 - "Savings" |
| offus_Avail_Bal(transaction) | O | X(25) / \$ | V | Display Avail_Bal in the destination account currency from the Source Account Table structure of FC4402. Format Avail_Bal based on the Destination Currency_Cde of FC4402. |

Screen Transition: See Figure 5-6.

STR 45089-S

STR 48212-S

Standard Data Elements

STR 45146-S
STR 45089-S

Standard Data Elements: Screen TN5715a (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|----------------|-----|--------|---------|--|
| | | | | Otherwise, display the Cash_Advance_Amt (7140) element from the Srceacct_Info structure of Message 4402. |
| | | | | Format the balance based on the Src_Currency_Code (7243) element of Message 4402 response. |
| avail_advnc | O | X(32) | L | For ICC Card Class 91, if the CA Category associated with the source account is "Checking and Current" or "Savings and Investment", then display "available in". |
| | | | | Else, if the CA Category associated with the source account is "Credit Cards" or "Loans and Other Credit", then display "available for cash advances from". |
| srceacct_desc4 | O | X(18) | L | For ICC Card Class 91 transfers and payments, display the name of the source Product Category chosen: <ul style="list-style-type: none"> 1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 4 - "Time Deposit" 5 - "Savings/Investment" 6 - "Line of Credit" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" |
| srceacct_no4 | O | X(22) | V | Display the account number for the source account from the Message 4402 response (elemid 7012), if received. Otherwise, display the source account number from the Message 4402 request. |

STR 45146-S
STR 45089-S
STR 44812-S

STR 44537-S
STR 46731-S

Standard Data Elements: Screen TN5715a (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|----------------|-----|------------|---------|--|
| tfr_amt | O | X(25)/\$ | V | Display the transfer amount that was input by the customer. Format tfr_amt based on the transfer transaction currency code. |
| srceacct_desc6 | O | X(18) | V | For ICC Card Class 91 transfers and payments, display the name of the source Product Category chosen: 1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 4 - "Time Deposit" 5 - "Savings/Investment" 6 - "Line of Credit" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" |
| Avail_Bal_Txn | O | X(25) / \$ | V | If the CA Category associated with the source product category is "Checking or Current" or "Savings and Investments", display the Avail_Bal element (7104) received from the Srceacct_Info structure in Message 4402. If the source product category is "Line of Credit", then display the Avail_Credit (7108) element from the Srceacct_Info structure of Message 4402. Otherwise, display the Cash_Advance_Amt (7140) element from the Srceacct_Info structure of Message 4402. Format the balance based on the Dest_Currency_Code (7242) element of Message 4402 response. |

Screen Transition: See Figure 5-6.

STR 44537-S
STR 45146-S
STR 46731-S

STR 45089-S
STR 46544-S

Screen Transition: See Figure 5-3.

Screen TN5717. Can't Use Linked Card For Cash Advance/Transfer - Off-Us

```

111111111122222222223333333334
1234567890123456789012345678901234567890
+-----+
1 |
2 |
3 |
4 |
5 |
6 |
7 | I'm sorry. I can't make a cash advance
8 | transfer for you when you are
9 | using this card.
10 |
11 |
12 |
13 | May I help you with something else?
14 |
15 | +-----+
16 | | Yes | | No |
17 | +-----+
18 |
19 | +-----+
20 | | EXIT |
+-----+

```

Screen Transition: See Figure 5-6.

STR 45507-S
STR 46427-S

96-0037-00

CONFIDENTIAL
(SEE NOTICE ON TITLE PAGE)

Screen TN5717a. Can't Use Linked Card For Cash Advance/Transfer - On-Us

```

111111111122222222223333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 | I'm sorry. I can't XXXXXXXX that | 6 trans_pay3
7 | for you from your XXXXXXXXXXXX | 7 srceacct_desc10
8 | XXXXXXXXXXXXXXXXXXXXXXXXXX.    | 8 srceacct_no10
9 |                                     | 9
10 |                                    | 10
11 |                                    | 11
12 |                                    | 12
13 | May I help you with something else? | 13
14 |                                    | 14
15 | +-----+          +-----+ | 15
16 | | Yes |          | No | | 16
17 | +-----+          +-----+ | 17
18 |                                     | 18
19 |                                     | 19
20 |                                     | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|--------|---------|--|
| trans_pay3 | O | X(8) | V | <p>If the CA Category of the destination account picked by the customer is "Credit Cards" or "Loans and Other Credit", then display "pay".</p> <p>Else, if the CA Category of the destination account picked by the customer is a "Checking or Current", or "Savings and Investment", then display "transfer".</p> |

STR 45507-S

Standard Data Elements: Screen TN5717a (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------------|-----|--------|---------|--|
| srceacct_desc10 | O | X(11) | V | Display one of the following based on the Source Product Category chosen: 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" |
| srceacct_no10 | O | X(22) | V | Display the account number for the source account from the Message 4402 response (elemid 7012), if received. Otherwise, display the source account number from the Message 4402 request. |

Screen Transition: See Figure 5-6.

STR 44537-S
STR 44548-S
STR 44812-S

Screen TN5720. Checking/Savings Sub-Menu

| 111111111122222222223333333334 | | 123456789012345678901234567890 | |
|--------------------------------|------------------------------|--------------------------------|---------|
| 1 | | 1 | |
| 2 | What would you like to do? | 2 | |
| 3 | | 3 | |
| 4 | | 4 | |
| 5 | +-----+ | 5 | |
| 6 | Make a Transfer | 6 | |
| 7 | +-----+ | 7 | |
| 8 | | 8 | |
| 9 | +-----+ | 9 | |
| 10 | Pay a Credit Card | 10 | |
| 11 | +-----+ | 11 | |
| 12 | | 12 | |
| 13 | +-----+ | 13 | |
| 14 | Pay a Credit Line or or Loan | 14 | |
| 15 | +-----+ | 15 | |
| 16 | | 16 | |
| 17 | | 17 | |
| 18 | | 18 | +-----+ |
| 19 | | 19 | EXIT |
| 20 | | 20 | +-----+ |

Screen Transition: See Figure 5-1.

Screen TN5722. Linked Credit Card Sub-Menu

```
1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |      | 1
2 | What would you like to do? | 2
3 |      | 3
4 |      | 4
5 |      | 5
6 | +-----+ | 6
7 | | Pay a Credit Card | | 7
8 | +-----+ | 8
9 |      | 9
10 |      | 10
11 |      | 11
12 | +-----+ | 12
13 | | Other Transfer | | 13
14 | +-----+ | 14
15 |      | 15
16 |      | 16
17 |      | 17
18 |      | 18
19 |      | 19
20 |      | 20
+-----+
    | EXIT |
+-----+
```

Screen Transition: See Figure 5-1.

Screen TN5723. Loan - Transfer Or Pay?

| | |
|--------------------------------|----|
| 11111111112222222223333333334 | |
| 123456789012345678901234567890 | |
| 1 | 1 |
| 2 | 2 |
| 3 | 3 |
| 4 | 4 |
| 5 | 5 |
| 6 | 6 |
| 7 | 7 |
| 8 | 8 |
| 9 | 9 |
| 10 | 10 |
| 11 | 11 |
| 12 | 12 |
| 13 | 13 |
| 14 | 14 |
| 15 | 15 |
| 16 | 16 |
| 17 | 17 |
| 18 | 18 |
| 19 | 19 |
| 20 | 20 |

What would you like to do?

Make a Transfer

Make a Transfer Payment

EXIT

Screen Transition: See Figure 5-1.

Screen TN5730. Transfer To Which Chk/Sav Category?

```
1111111111222222222233333333334
1234567890123456789012345678901234567890

+-----+
1 |                                     | 1
2 | Where shall I transfer the money to? | 2
3 |                                     | 3
4 | +-----+ | 4
5 | |Checking or Current | | 5
6 | +-----+ | 6
7 | +-----+ | 7
8 | |Savings | | 8
9 | +-----+ | 9
10 | +-----+ | 10
11 | |Money Market | | 11
12 | +-----+ | 12
12 | +-----+ | 13
14 | |Other Savings and Investments | | 14
15 | +-----+ | 15
16 |                                     | 16
17 |                                     | 17
18 |                                     | 18
19 |                                     | 19
20 |                                     | 20
+-----+
+-----+
| EXIT |
+-----+
```

Screen Transition: See Figure 5-2.

Screen TN5731. Citi-One For Credit Card - Other Transfer

| | | | | |
|--|--------------------------------------|--------------------------------|-------------------|----|
| 1111111111222222222233333333334 | | | | |
| 1234567890123456789012345678901234567890 | | | | |
| 1 | Where shall I transfer the money to? | | | 1 |
| 2 | | | | 2 |
| 3 | | | | 3 |
| 4 | | | | 4 |
| 5 | | | | 5 |
| 6 | Checking/ Current | Savings | Line of Credit | 6 |
| 7 | | | | 7 |
| 8 | | | | 8 |
| 9 | | Money Market | Mortgage | 9 |
| 10 | | | | 10 |
| 11 | | | | 11 |
| 12 | | Other Savings & Investments | Other Loan | 12 |
| 13 | | | | 13 |
| 14 | | | | 14 |
| 15 | | | | 15 |
| 16 | | | | 16 |
| 17 | | | | 17 |
| 18 | | | | 18 |
| 19 | EXIT | | | 19 |
| 20 | | | | 20 |

Screen Transition: See Figure 5-2.

Screen TN5732. Pay Which Credit Card, Line Or Loan

```
111111111122222222223333333334
1234567890123456789012345678901234567890

+-----+
1 | Which would you like to pay? | 1
2 |                               | 2
3 | +-----+ | 3
4 | | Visa | | 4
5 | +-----+ | 5
6 | +-----+ | 6
7 | | MasterCard | | 7
8 | +-----+ | 8
9 | +-----+ | 9
10 | | Diners Club | | 10
11 | +-----+ | 11
12 | +-----+ | 12
13 | | Line of Credit | | 13
14 | +-----+ | 14
15 | +-----+ | 15
16 | | Mortgage | | 16
17 | +-----+ | 17
18 | +-----+ +-----+ | 18
19 | | Other Loan | | EXIT | 19
20 | +-----+ +-----+ | 20
+-----+
```

Screen Transition: See Figure 5-9.

Screen TN5733. Pay Which Credit Card

111111111122222222223333333334
123456789012345678901234567890

| | | |
|----|-------------------------|----|
| 1 | | 1 |
| 2 | Which Credit Card would | 2 |
| 3 | you like to pay? | 3 |
| 4 | | 4 |
| 5 | +-----+ | 5 |
| 6 | Visa | 6 |
| 7 | +-----+ | 7 |
| 8 | | 8 |
| 9 | +-----+ | 9 |
| 10 | MasterCard | 10 |
| 11 | +-----+ | 11 |
| 12 | | 12 |
| 13 | +-----+ | 13 |
| 14 | Diners Club | 14 |
| 15 | +-----+ | 15 |
| 16 | | 16 |
| 17 | | 17 |
| 18 | +-----+ | 18 |
| 19 | EXIT | 19 |
| 20 | +-----+ | 20 |

Screen Transition: See Figure 5-9.

Screen TN5734. Pay Which Credit Line Or Loan

```
1111111111222222222233333333334
1234567890123456789012345678901234567890

+-----+
1 |                                     | 1
2 | Which would you like to pay?      | 2
3 |                                     | 3
4 |                                     | 4
5 | +-----+                         | 5
6 | |Line of Credit |                 | 6
7 | +-----+                         | 7
8 |                                     | 8
9 | +-----+                         | 9
10 | |Mortgage      |                 | 10
11 | +-----+                         | 11
12 |                                     | 12
13 | +-----+                         | 13
14 | |Other Loan    |                 | 14
15 | +-----+                         | 15
16 |                                     | 16
17 |                                     | 17
18 |                                     | 18
19 |                                     | 19
20 |                                     | 20
+-----+
    | EXIT |
+-----+
```

Screen Transition: See Figure 5-9.

Screen TN5740. Transfer Source - All Categories

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
  
```

| | | | | |
|----|--------------------------------------|-------------------|------|----|
| 1 | Where shall I get the money for this | | | 1 |
| 2 | transfer? | | | 2 |
| 3 | | | | 3 |
| 4 | Checking/ Current | Savings | Visa | 4 |
| 5 | | | | 5 |
| 6 | | | | 6 |
| 7 | Money Market | | | 7 |
| 8 | | | | 8 |
| 9 | | | | 9 |
| 10 | Time Deposits | Diners Club | | 10 |
| 11 | | | | 11 |
| 12 | | | | 12 |
| 13 | Other Savings & Investments | Line of Credit | | 13 |
| 14 | | | | 14 |
| 15 | | | | 15 |
| 16 | Loan | | | 16 |
| 17 | | | | 17 |
| 18 | EXIT | | | 18 |
| 19 | | | | 19 |
| 20 | | | | 20 |

Screen Transition: See Figure 5-2.

Screen TN5741. Transfer Source - Savings

```
111111111122222222223333333334
1234567890123456789012345678901234567890

+-----+
1 |                                     | 1
2 | Where shall I get the money from? | 2
3 |                                     | 3
4 | +-----+ | 4
5 | Savings | | 5
6 | +-----+ | 6
7 | +-----+ | 7
8 | Money Market | | 8
9 | +-----+ | 9
10 | +-----+ | 10
11 | Time Deposits | | 11
12 | +-----+ | 12
13 | +-----+ | 13
14 | Other Savings and Investments | | 14
15 | +-----+ | 15
16 |                                     | 16
17 |                                     | 17
18 |                                     | 18
19 |                                     | 19
20 |                                     | 20
+-----+
+-----+
| EXIT |
+-----+
```

Screen Transition: See Figure 5-2.

Screen TN5742. Transfer Source - Credit Cards

| | |
|--|-----------------------------------|
| 111111111122222222223333333334 | |
| 1234567890123456789012345678901234567890 | |
| 1 | + |
| 2 | Where shall I get the money from? |
| 3 | |
| 4 | |
| 5 | + |
| 6 | Visa |
| 7 | + |
| 8 | |
| 9 | + |
| 10 | MasterCard |
| 11 | + |
| 12 | |
| 13 | + |
| 14 | Diners Club |
| 15 | + |
| 16 | |
| 17 | |
| 18 | + |
| 19 | EXIT |
| 20 | + |

Screen Transition: See Figure 5-2.

Screen TN5743. Transfer Source - Loans

```
1111111111222222222233333333334
1234567890123456789012345678901234567890

+-----+
1 |                                     | 1
2 | Where shall I get the money from? | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 | +-----+ | 6
7 | |Line of Credit | | 7
8 | +-----+ | 8
9 |                                     | 9
10 |                                     | 10
11 |                                     | 11
12 | +-----+ | 12
13 | |Loan | | 13
14 | +-----+ | 14
15 |                                     | 15
16 |                                     | 16
17 |                                     | 17
18 |                                     | 18
19 |                                     | 19
20 |                                     | 20
+-----+
    | EXIT |
+-----+
```

Screen Transition: See Figure 5-2.

Screen TN5745. Pay How Much (Two Buttons)

```

111111111122222222223333333334
123456789012345678901234567890
+-----+
1 | How much would you like to pay? | 1
2 |XXXXXXXXXXXXXXXXXXXXX| 2 |destacct_desc6
3 |XXXXXXXXXXXXXXXXXXXXX?| 3 |destacct_no6
4 | | 4
5 | | 5
6 |-----+-----+ 6
7 |XXXXXXXXXXXXXXXXXXXXXXXXXXXXX| 7 |pay_ball
8 |XXXXXXXXXXXXXXXXXXXXXXXXXXXXX| 8 |Balance_1
9 |-----+-----+ 9
10 | | 10
11 | | 11
12 |-----+-----+ 12
13 | A Different Amount | 13
14 |-----+-----+ 14
15 | | 15
16 | | 16
17 | | 17
18 | | 18
19 | | 19
20 | | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|----------------|-----|--------|---------|--|
| destacct_desc6 | O | X(18) | V | Display one of the following based on the destination Product Category: 6 - "Line of Credit" 7 - "Mortgage" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" |

STR 44547-S

STR 44537-S

Standard Data Elements: Screen TN5745 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|--------------|-----|--------|---------|--|
| destacct_no6 | O | X(22) | V | For ICC Card Class 91, display from the profile the account number for the destination account chosen. |
| pay_bal1 | O | X(34) | L | See Table 5-1 for text to display. |
| Balance_1 | O | X(25) | L | Display the balance received in Message 4501 as described in Table 5-1. |

Screen Transition: See Figure 5-10.

Comments: Although not represented accurately here, the heights should be the same for both of the full-length buttons on this screen.

Screen TN5746. Pay How Much (Three Buttons)

```

1111111111222222222233333333334
123456789012345678901234567890
+-----+
1 | How much would you like to pay to | 1
2 | XXXXXXXXXXXXXXXXXXXX | 2 destacct_desc6
3 | XXXXXXXXXXXXXXXXXXXX? | 3 destacct_no6
4 | | 4
5 | +-----+ | 5
6 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 6 pay_bal2
7 | XXXXXXXXXXXXXXXXXXXXXXX | 7 Balance_2
8 | +-----+ | 8
9 | +-----+ | 9
10 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 10 pay_bal3
11 | XXXXXXXXXXXXXXXXXXXXXXX | 11 Balance_3
12 | +-----+ | 12
13 | +-----+ | 13
14 | A Different Amount | 14
15 | +-----+ | 15
16 | | 16
17 | | 17
18 | | 18
19 | | 19
20 | | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|----------------|-----|--------|---------|--|
| destacct_desc6 | O | X(18) | V | Display one of the following based on the destination Product Category: 6 - "Line of Credit" 7 - "Mortgage" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" |
| destacct_no6 | O | X(22) | V | For ICC Card Class 91, display from the profile the account number for the destination account chosen. |

STR 44547-S
STR 44537-S

Standard Data Elements: Screen TN5746 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|--|
| pay_bal2 | O | X(34) | L | See Table 5-1 for text to display. |
| Balance_2 | O | X(25) | L | Display the first of two valid balances received in Message 4501 as described in Table 5-1. |
| pay_bal3 | O | X(34) | L | See Table 5-1 for text to display. |
| Balance_3 | O | X(25) | L | Display the second of two valid balances received in Message 4501 as described in Table 5-1. |

Screen Transition: See Figure 5-10.

Comments: Although not represented accurately here, the heights of all three full-length buttons on this screen should be the same.

STR 44547-S

Screen TN5750. Make Payment In Which Currency?

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1| Which currency do you want to use to | 1
2| make this payment?                  | 2
3|                                     | 3
4|                                     | 4
5|                                     | 5
6| +-----+                          | 6
7| |XXXXXX|                          | 7 currency1
8| +-----+                          | 8
9|                                     | 9
10|                                    | 10
11|                                    | 11
12| +-----+                          | 12
13| |XXXXXX|                          | 13 currency2
14| +-----+                          | 14
15|                                    | 15
16|                                    | 16
17|                                    | 17
18|                                     | 18
19|                                     | 19
20|                                     | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|--|
| currency1 | O | X(6) | L | For the first currency code returned for the destination account, display the appropriate "Currency Descriptor" from the Session Currency Table returned in Message 4604. |
| currency2 | O | X(6) | L | For the second currency code returned for the destination account, display the appropriate "Currency Descriptor" from the Session Currency Table returned in Message 4604. |

Screen Transition: See Figure 5-10.

Comments: This screen is used only when a customer is going to make a transfer payment, and more than one currency code is associated with balances returned in response to the Balance Inquiry message for the destination Product Type.

STR 45151-S

Screen TN5751. Exceeded Limit For Transfer/Payment - Off-Us

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 | I'm sorry. The amount you entered | 6
7 | is more than I can transfer       | 7
8 | from that account.                | 8
9 |                                     | 9
10 |                                    | 10
11 |                                    | 11
12 |                                    | 12
13 | May I help you with something else? | 13
14 |                                    | 14
15 | +-----+          +-----+    | 15
16 | | Yes |          | No |          | 16
17 | +-----+          +-----+    | 17
18 |                                     | 18
19 |                                     | 19
20 |                                     | 20
    |                                     |
    +-----+
    | EXIT |
    +-----+
+-----+

```

Screen Transition: See Figure 5-6.

STR 45507-S

Screen TN5751a. Exceeded Limit For Transfer/Payment - On-Us

```

111111111122222222223333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 | I'm sorry.  The amount you entered | 6
7 | is more than I can XXXXXXXXX      | 7 trans_pay2
8 | from that account.                | 8
9 |                                     | 9
10 |                                    | 10
11 |                                    | 11
12 |                                    | 12
13 | May I help you with something else? | 13
14 |                                    | 14
15 | +-----+          +-----+      | 15
16 | | Yes |          | No |          | 16
17 | +-----+          +-----+      | 17
18 |                                     | 18
19 |                                     | 19
20 |                                     | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|--------|---------|--|
| trans_pay2 | O | X(8) | V | <p>If the CA Category of the destination Product Type picked by the customer is "Checking and Current", or "Savings and Investments", then display "transfer".</p> <p>Else, if the CA Category of the destination Product Type picked by the customer is "Credit Cards" or "Loans and Other Credit", then display "pay".</p> |

Screen Transition: See Figure 5-6.

STR 45507-S

5.6 Processes

This section shows the processes for the Transfer application.

PRC TN5760. Build Select Payment List

For Card Class 91, a set of Default Payment Amounts (up to two per Product Type Category) can be returned in response to the Balance Inquiry message 4501. If received, these are offered to the customer as a way to easily pay the amount that they owe, as a minimum payment or the total amount owed.

Determine the number of valid payment elements for the Destination Product Type returned. In order for a payment element to be valid, it must appear in Table 5-1, and the balance returned must be a positive amount (that is, the customer owes money to Citibank, not the other way around.) Zero (0) is not a valid payment amount in this context.

Once the list of valid amounts has been built, the customer is presented with a screen showing one or two Default Payment Amounts. The screen also offers the customer the choice of entering "A Different Amount". If no valid amounts are returned, the customer is taken to the appropriate Transfer Amount Entry pad to specify the amount he/she wishes to pay.

Screen Transition: See Figure 5-10.

Chapter 6

Common Screens and Procedures

This chapter defines the screens and procedures shared by more than one of the other applications in this APS.

This chapter covers the following:

- Supported ESP Messages (Section 6.1)
- Flowcharts (Section 6.2)
- Special Tables (Section 6.3)
- Screens (Section 6.4)
- Processes (Section 6.5)

6.1 Supported ESP Messages

The Common Screens and Procedures use no external service provider messages.

6.2 Flowcharts

This section shows the flowcharts for the Commons Screens and Procedures.

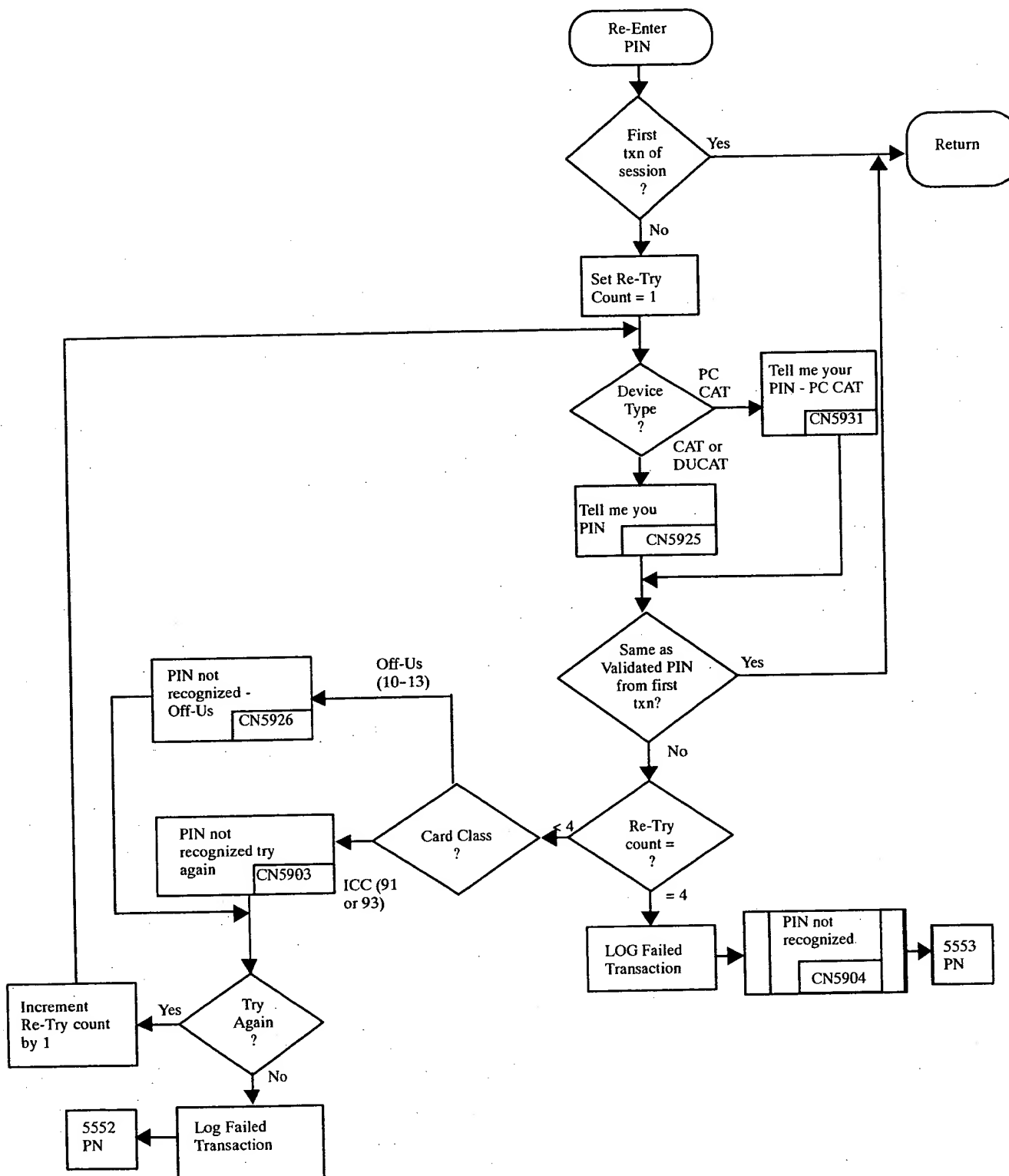


Figure 6-1. Reenter PIN (Sheet 1 of 10)

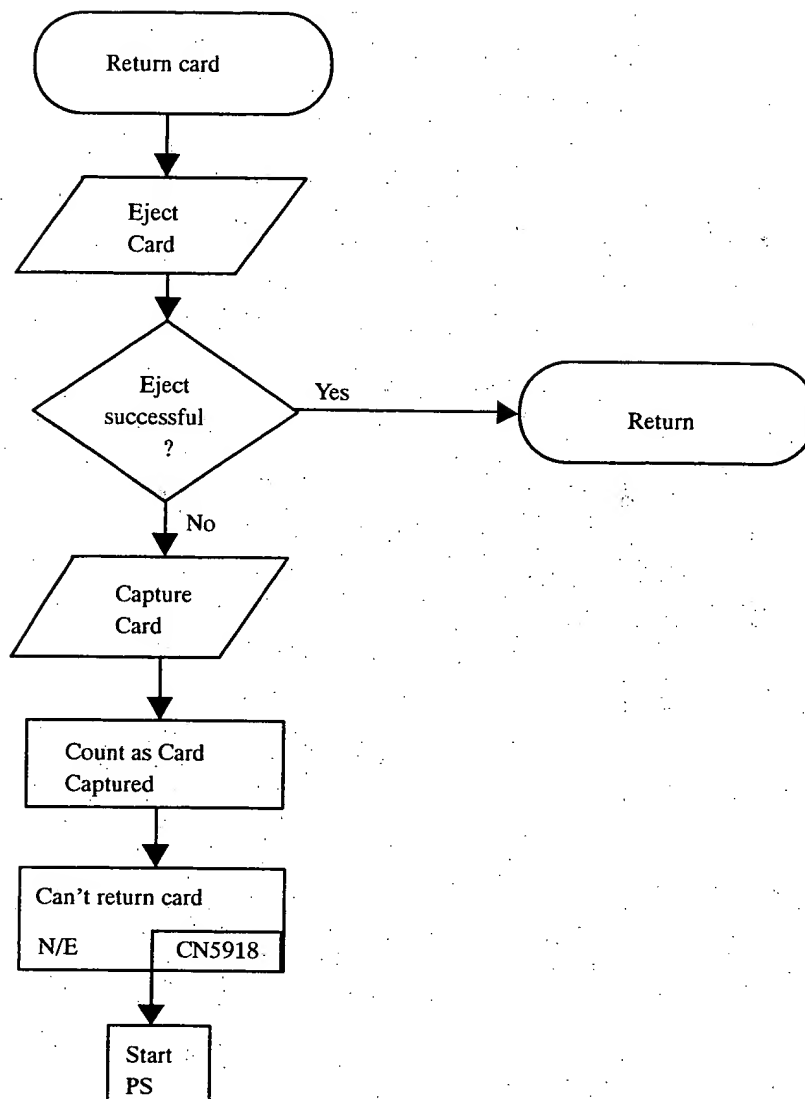


Figure 6-2. Return Card (Sheet 2 of 10)

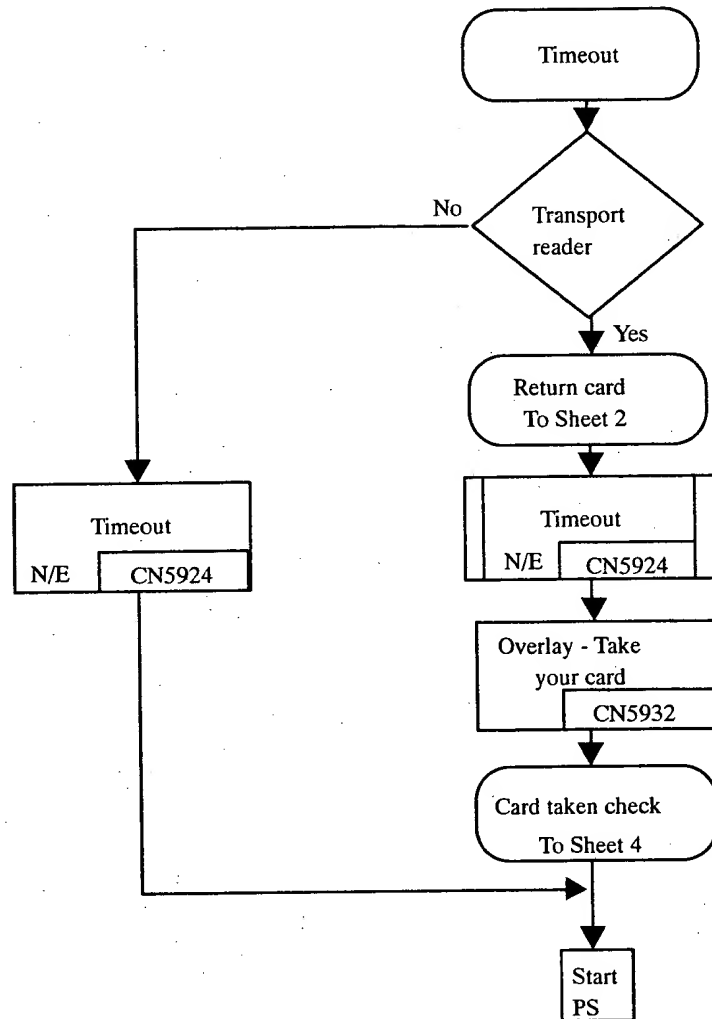
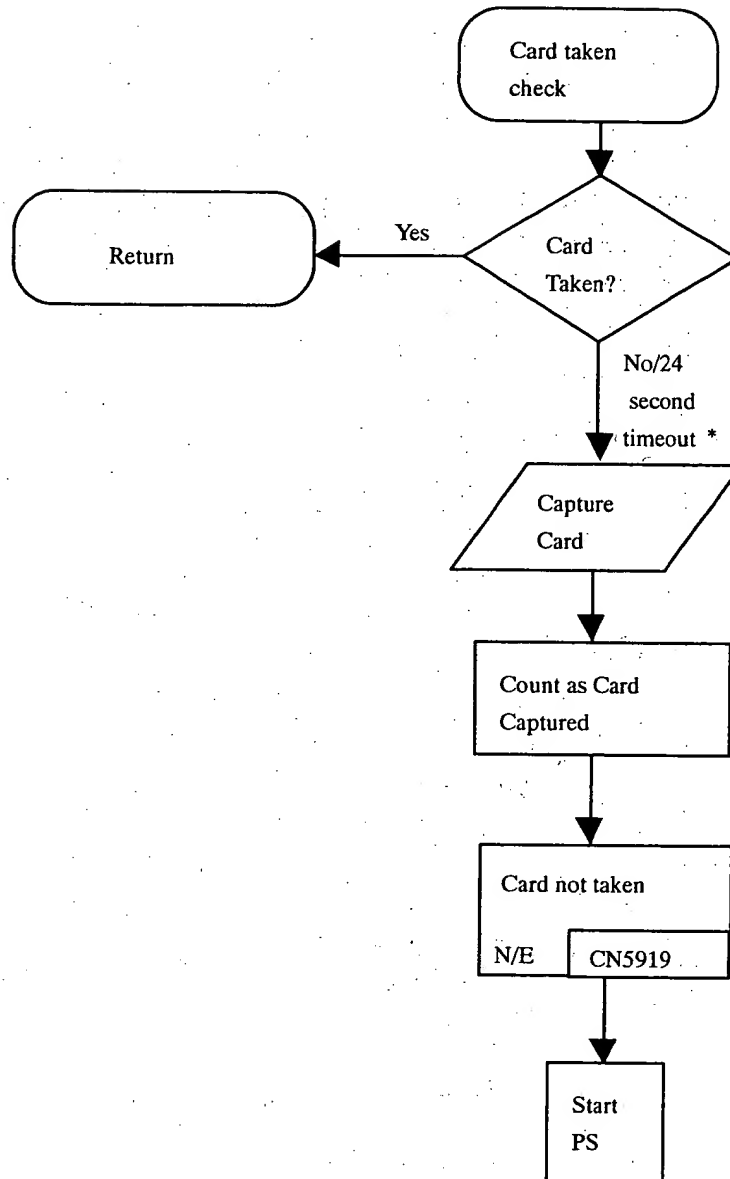


Figure 6-3. Timeout (Sheet 3 of 10)



* Sound acoustical signal 5 seconds after card is ejected.

Figure 6-4. Card Taken Check (Sheet 4 of 10)

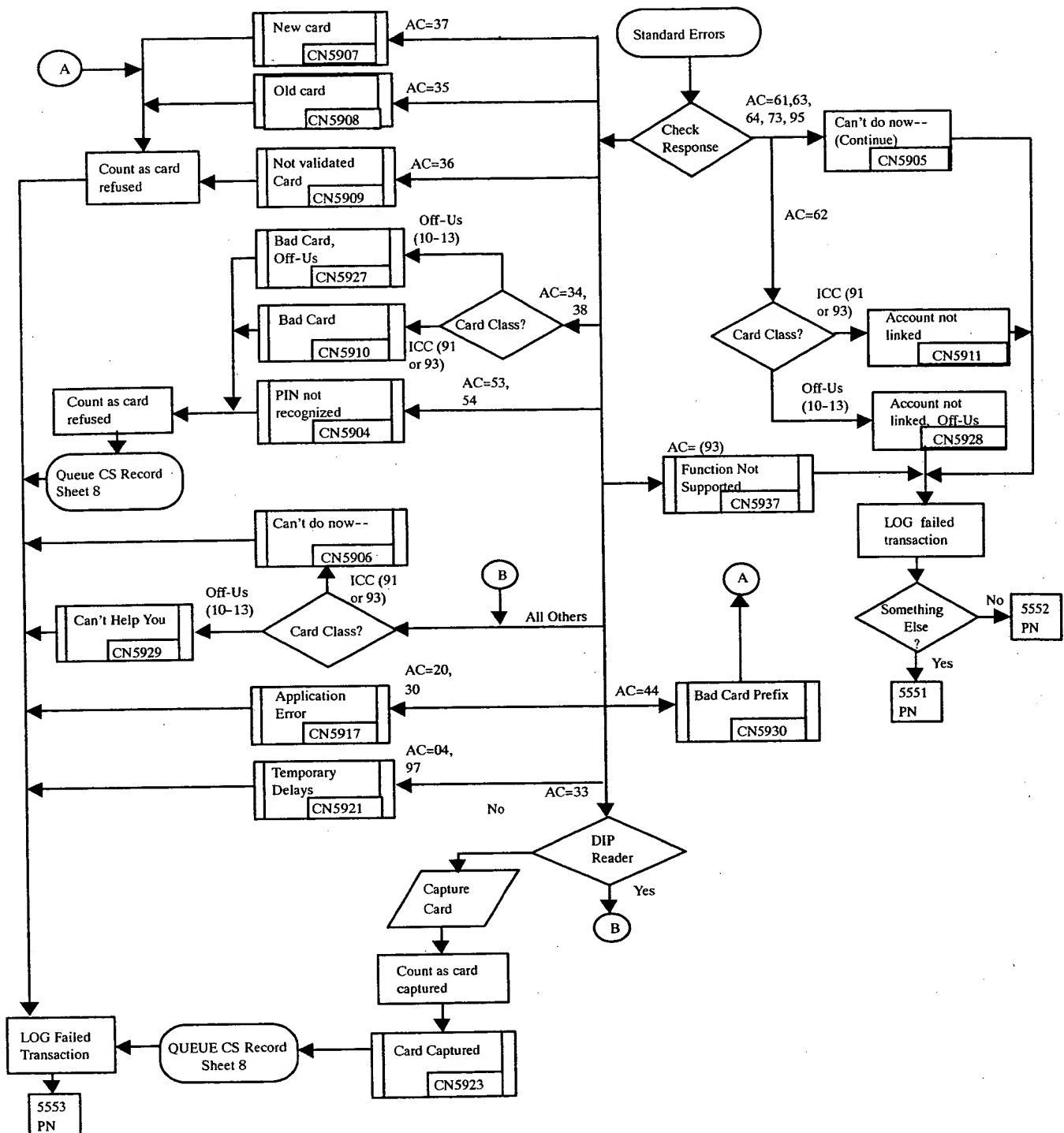


Figure 6-5. Standard Errors (Sheet 5 of 10)

STR 44542-S
STR 45207-S
STR 44803-S

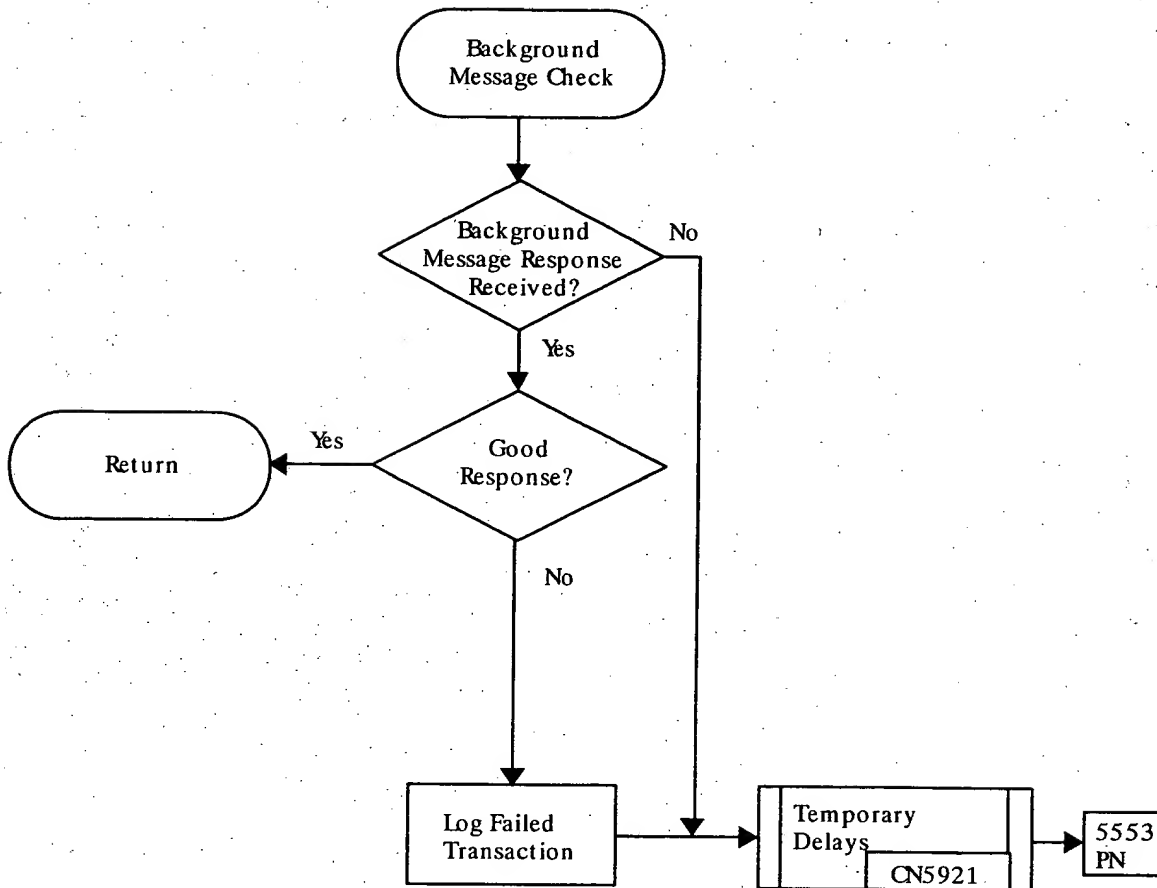


Figure 6-6. Background Message Check (Sheet 6 of 10)

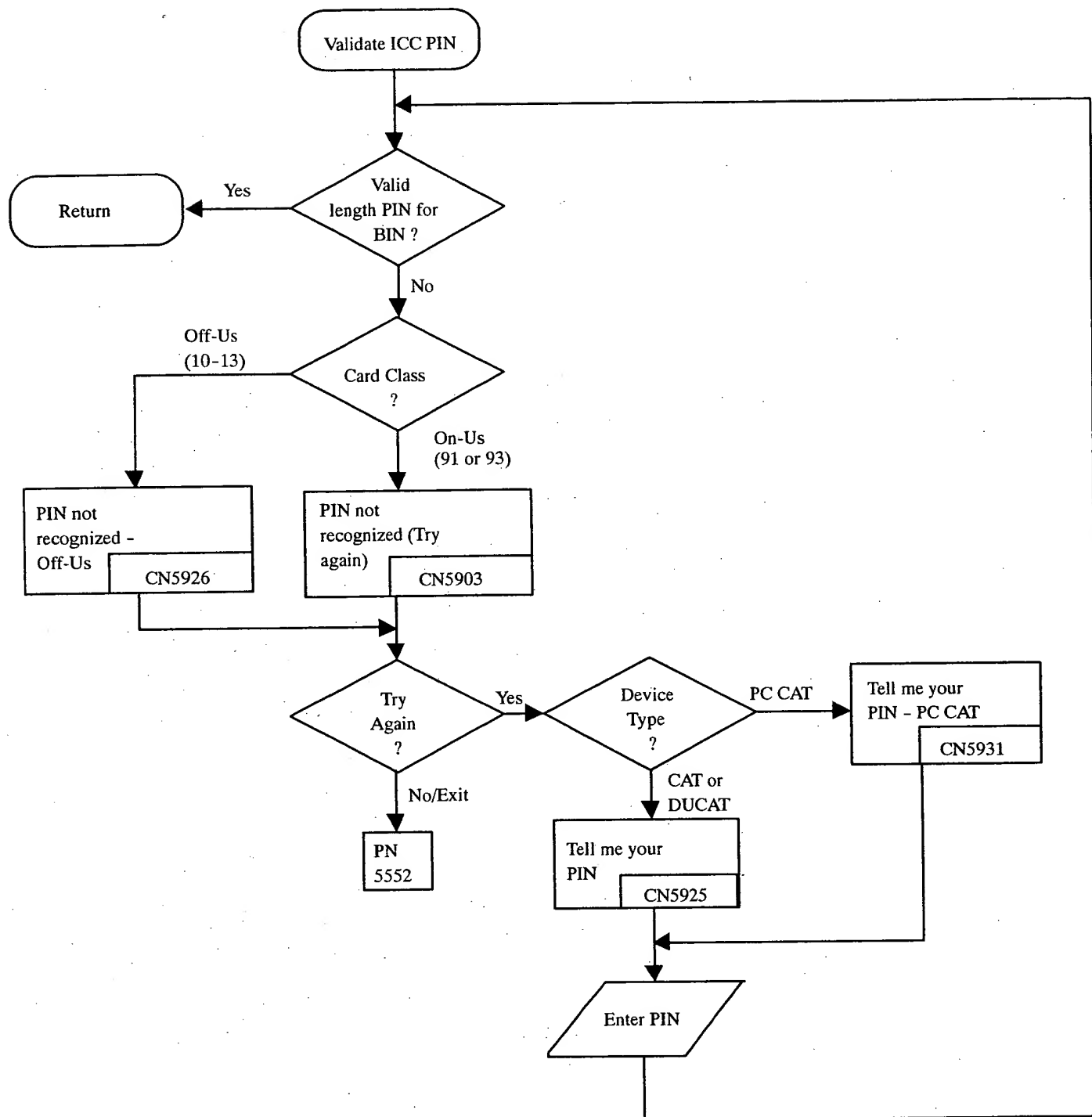


Figure 6-7. Validate ICC PIN (Sheet 7 of 10)

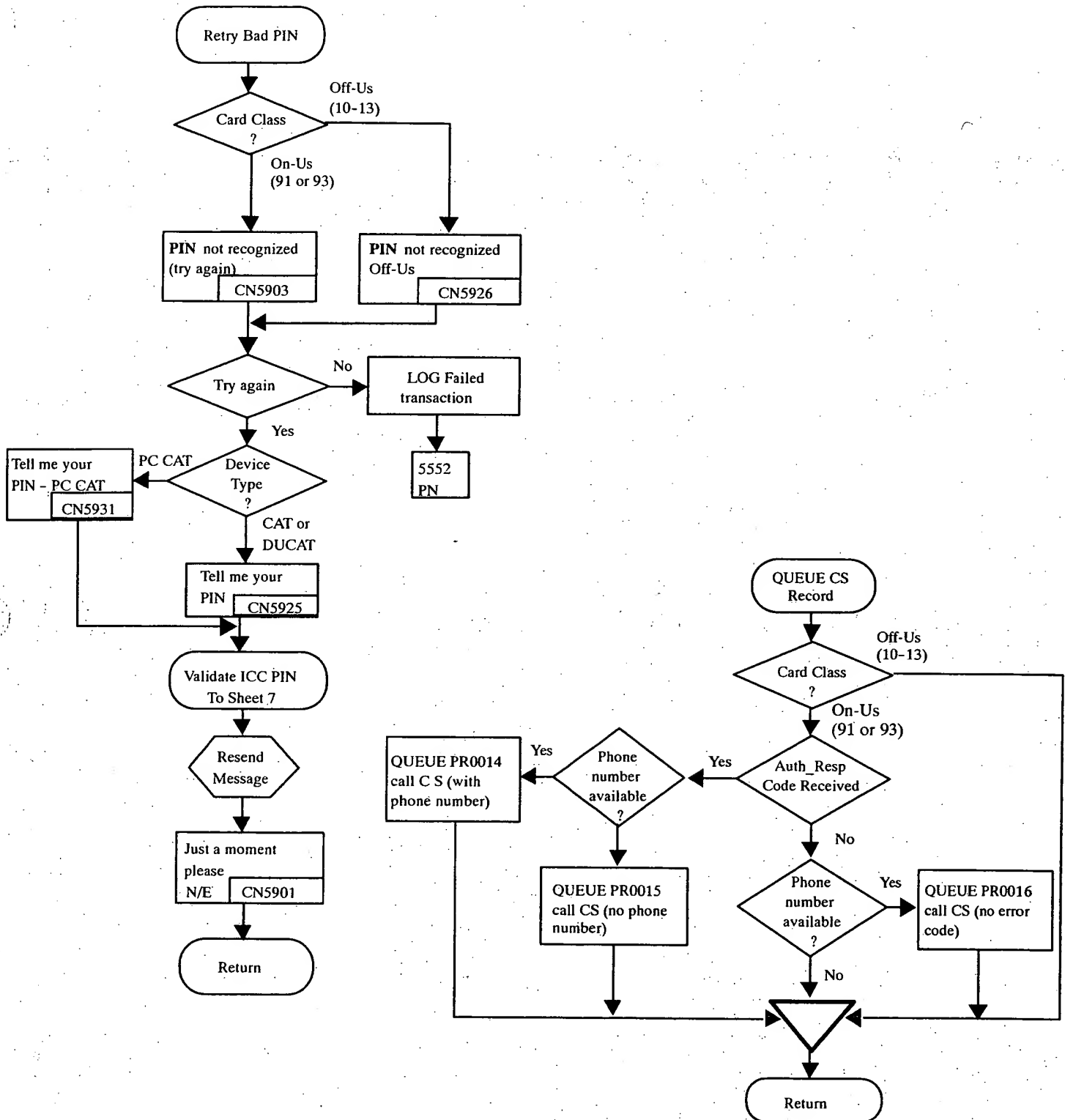


Figure 6-8. Standard Errors - Continued (Sheet 8 of 10)

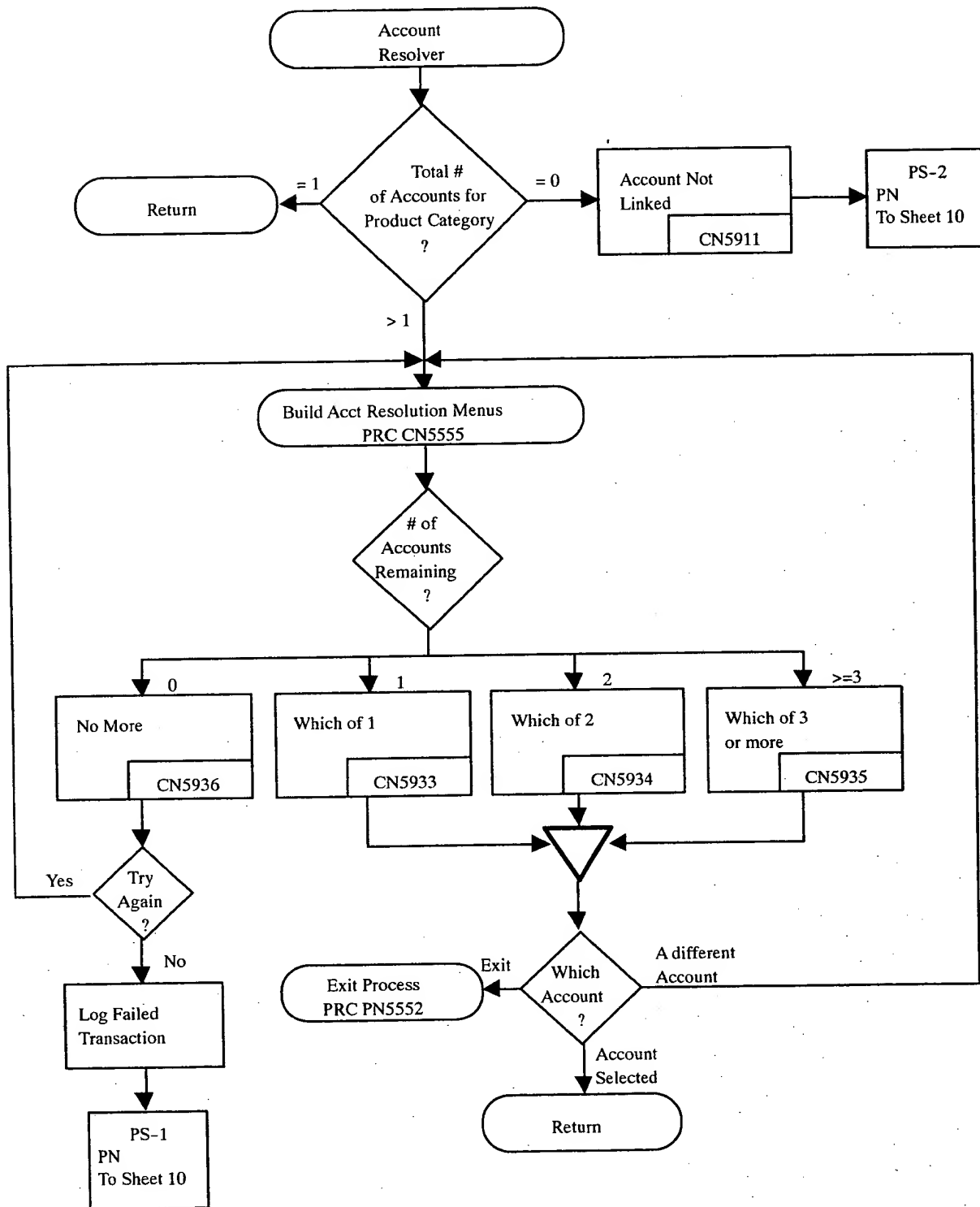


Figure 6-9. Account Resolver (Sheet 9 of 10)

STR 46744-S

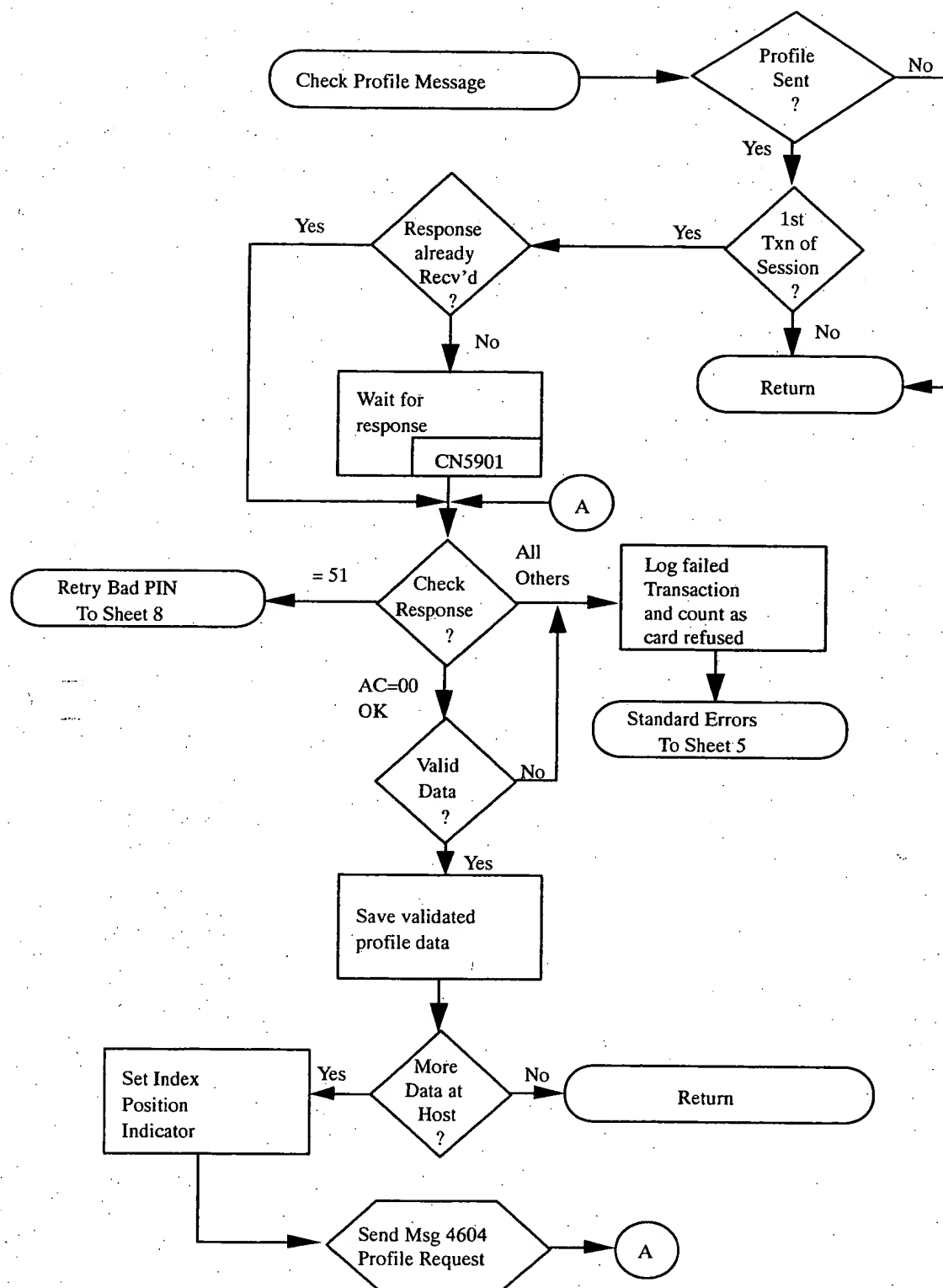


Figure 6-10. Check Profile Message (Sheet 10 of 10)

6.3 Special Tables

This section shows the tables for the Common application.

Table 6-1 shows all of the balances that can be shown for each product. The order that they are listed here is the order in which they should appear on the screen, *if they are received*. Also shown are the ID and field name for each balance as they are indicated in the MLI document.

For Balance Inquiry (BN), all balances received are shown.

After a withdrawal/cash advance, only the balances indicated under the "WN" heading are shown.

After a Transfer, the balances indicated under "TN from" are shown for the source account. The balances indicated under "TN to" are shown for the destination account.

When space and placement require two lines per descriptor, refer to Table 6-2 to know where to break the line.

For balance descriptors containing a date, if the date is not returned with the balance, do not display "on <date>".

Use the following balance text descriptors for Off-Us Generic screens, unless they are already specified as part of the screen's SDEs.

| | | | |
|----------------------|-------------------------|--------|--------------------------|
| Checking or Savings: | Current Balance | (7106) | "on deposit" |
| | Available Balance | (7104) | "available now" |
| Credit: | Available Credit Amount | (7108) | "total credit available" |
| | Cash Advance Amount | (7140) | "cash advance available" |

STR 44543-S
STR 48214-S

Table 6-1. Balance Text Descriptors

| CA Category | Product Category | ID | Field Name | Screen Text (Zero or Positive/ Negative Balance) | BN | W N | TN from | TN to |
|-------------------------|---------------------------------|------|-------------------------|--|----|--------|------------|----------|
| Checking and Current | | | | | | | | |
| | Checking/Current | 7106 | Current Balance | on deposit/ amount you owe | • | • | • | • |
| | | 7104 | Available Balance | available now | • | • | • | • |
| | | 7121 | Credit Line Amount | credit line | • | | | |
| | | 7184 | Overdraft Used | credit line used | • | | | |
| | | 7108 | Available Credit Amount | available credit | • | | | |
| Savings and Investments | | | | | | | | |
| | Savings | 7106 | Current Balance | on deposit/ amount you owe | • | • | • | • |
| | | 7104 | Available Balance | available now | • | • | • | • |
| | Money Market | 7106 | Current Balance | on deposit/ amount you owe | • | • | • | • |
| | | 7104 | Available Balance | available now | • | • | • | • |
| | Time Deposits | 7151 | Principal Amount | amount invested | • | | | |
| | | 7414 | Maturity Date | maturity date | • | | | |
| | | 7148 | Maturity Value | value at maturity | • | | | |
| | | 7261 | Product Term | term | • | | | |
| | | 7106 | Current Balance | on deposit | • | • | • | • |
| | | 7104 | Available Balance | available now | • | • | • | • |
| | Other [Savings and Investments] | 7106 | Current Balance | on deposit | • | • | • | • |
| | | 7104 | Available Balance | available now | • | • | • | • |

STR 44543-S
STR 46740-S

Table 6-1. Balance Text Descriptors (Cont)

| CA Category | Product Category | ID | Field Name | Screen Text (Zero or Positive/ Negative Balance) | BN | W N | TN from | TN to |
|------------------------|--|------|-------------------------|--|----|--------|------------|----------|
| Loans and Other Credit | | | | | | | | |
| | Line of Credit (note: also used for Overdraft) | 7112 | Unpaid Balance | amount you owe / amount we owe you | • | • | • | • |
| | | 7108 | Available Credit Amount | available now | • | • | • | • |
| | | 7121 | Credit Line Amount | credit line | • | | | |
| | | 7181 | Latest Payment Amount | last payment made | • | | | |
| | | 7424 | Latest Payment Date | on <date> | • | | | |
| | | 7114 | Next Payment Amount | next payment due | • | | | |
| | | 7401 | Next Payment Date | on <date> | • | | | |
| | Mortgages | 7151 | Principal Amount | original loan amount | • | | | |
| | | 7062 | Unpaid Principal | amount you owe | • | | | |
| | | 7114 | Next Payment Amount | next payment due | • | | | |
| | | 7401 | Next Payment Date | on <date> | • | | | |
| | | 7149 | Monthly Payment | scheduled payment amount | • | | | |
| | | 7181 | Latest Payment Amount | last payment made | • | | | |
| | | 7424 | Latest Payment Date | on <date> | • | | | |
| | | 7113 | Penalty Amount | late charges due | • | | | |
| | | 7188 | Past Due Amount | past due amounts | • | | | |
| | Other Loans | 7151 | Principal Amount | original loan amount | • | | | |
| | | 7112 | Unpaid Balance | amount you owe / amount we owe you | • | | | |
| | | 7114 | Next Payment Amount | next payment due | • | | | |
| | | 7401 | Next Payment Date | on <date> | • | | | |
| | | 7181 | Latest Payment Amount | last payment made | • | | | |
| | | 7424 | Latest Payment Date | on <date> | • | | | |
| | | 7600 | Interest Rate | interest rate | • | | | |
| | | 7612 | Effective Interest Rate | A.P.R. | • | | | |

STR 44543-S

Table 6-1. Balance Text Descriptors (Cont)

| CA Category | Product Category | ID | Field Name | Screen Text (Zero or Positive/ Negative Balance) | BN | W N | TN from | TN to |
|--------------|--------------------|------|--|--|----|--------|------------|----------|
| Credit Cards | | | | | | | | |
| | Visa MasterCard | 7108 | Available Credit Amount | available credit | • | • | • | • |
| | | 7140 | Cash Advance Amount | cash advance available | • | • | • | • |
| | | 7106 | Current Balance (currency 1) | amount you owe / amount we owe you | • | | | |
| | | 7106 | Current Balance (currency 2 - for dual currency) | amount you owe / amount we owe you | • | | | |
| | | 7120 | Last Bill Balance | last statement balance | • | | | |
| | | 7181 | Latest Payment Amount | last payment made | • | | | |
| | | 7424 | Latest Payment Date | on <date> | • | | | |
| | | 7192 | Minimum Amount Due | minimum payment due | • | | | |
| | | 7401 | Next Payment Date | on <date> | • | | | |
| | | 7121 | Credit Line Amount | credit limit | • | | | |
| | Diners Club | 7106 | Current Balance (currency 1) | amount you owe / amount we owe you | • | • | • | • |
| | | 7106 | Current Balance (currency 2 - for dual currency) | amount you owe / amount we owe you | | | | |
| | | 7108 | Available Credit Amount | available now | • | • | • | • |
| | | 7140 | Cash Advance Amount | cash advance available | • | | | |
| | | 7121 | Credit Line Amount | credit limit | • | | | |
| | | 7120 | Last Bill Balance | balance on last statement | • | | | |
| | | 7181 | Latest Payment Amount | last payment made | • | | | |
| | | 7424 | Latest Payment Date | on <date> | • | | | |
| | | 7114 | Next Payment Amount | total due | • | | | |
| | | 7401 | Next Payment Date | on <date> | • | | | |

STR 44543-S

STR 46741-S

Table 6-2 shows how the text for each of the Balance Descriptors from Table 6-1 should be laid out when they have to be split across two lines. The ID shown refers to the balance as indicated in the MLI publication. The variable names shown (where N = a number from 1 to N) are the same across all of the functional applications that display balances—BN, WN and TN.

For a description of date formatting, see Appendix NO TAG.

Table 6-2. Layout Specification for Balance Text Descriptors

| ID | bal_txtNa | bal_txtNb |
|----------------------|--------------------------|----------------|
| 7612 | A.P.R. | |
| 7151 | amount invested | |
| 7112 7106 | amount we owe you | |
| 7106 7112 7062 | amount you owe | |
| 7108 | available credit | |
| 7108 7104 | available now | |
| 7120 | balance on | last statement |
| 7140 | cash advance available | |
| 7121 | credit limit | |
| 7268 7121 | credit line | |
| 7184 | credit line used | |
| 7600 | interest rate | |
| 7181 | last payment made | on <date> |
| 7120 | last statement balance | |
| 7113 | late charges due | |
| 7414 | maturity date | |
| 7192 | minimum payment due | on <date> |
| 7114 | next payment due | on <date> |
| 7106 | on deposit | |
| 7151 | original loan amount | |
| 7188 | past due amounts | |
| 7149 | scheduled payment amount | |
| 7261 | term | |
| 7108 | total credit available | |
| 7114 | total due | on <date> |
| 7148 | value at maturity | |

STR 46741-S

6.4 Screens

This section shows the screens and standard data elements for the Common Screens and Procedures.

Screen CN5901. Just A Moment, Please

| | |
|--|----|
| 111111111122222222223333333334 | |
| 1234567890123456789012345678901234567890 | |
| 1 | 1 |
| 2 | 2 |
| 3 | 3 |
| 4 | 4 |
| 5 | 5 |
| 6 | 6 |
| 7 | 7 |
| 8 | 8 |
| 9 | 9 |
| 10 | 10 |
| 11 | 11 |
| 12 | 12 |
| 13 | 13 |
| 14 | 14 |
| 15 | 15 |
| 16 | 16 |
| 17 | 17 |
| 18 | 18 |
| 19 | 19 |
| 20 | 20 |

I'm working on it.

Just a moment, please.

Screen Transition: See Figure 6-8, Figure 6-10, Figure 2-8, Figure 2-12,
Figure 3-3, Figure 3-6, Figure 4-3, Figure 4-5, Figure 5-6.

Screen Transition: See Figure 6-1, Figure 6-7, Figure 6-8, Figure 2-9.

Screen CN5904. PIN Not Recognized

```

111111111122222222223333333334
1234567890123456789012345678901234567890
+-----+
1 | 1 | 1 |
2 | 2 | 2 |
3 | 3 | 3 |
4 | 4 | I'm sorry. You have tried to enter | 4 |
5 | 5 | your Personal Identification Number | 5 |
6 | 6 | too many times. | 6 |
7 | 7 | | 7 |
8 | 8 | Please call your local Customer | 8 |
9 | 9 | Service. XXXXXXXXXXXXXXXXXXXX | 9 | phone_txt1
10 | 10 | XXXXXXXXXXXXXXXXXXXXXXXXXXXX | 10 | phone_txt2/phone_txt3
11 | 11 | | 11 |
12 | 12 | XXXXXXXXXXXXXXXXXXXXXXXXXXXX | 12 | cs_name
13 | 13 | XXXXXXXXXXXXXXXXXXXXXXXXXXXX | 13 | phone_number
14 | 14 | | 14 |
15 | 15 | | 15 |
16 | 16 | | 16 |
17 | 17 | | 17 |
18 | 18 | | 18 |
19 | 19 | | 19 |
20 | 20 | | 20 |
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|--------|---------|---|
| phone_txt1 | O | X(20) | L | <p>If a phone number has not been received, leave blank.</p> <p>If a phone number has been received, and it can be called collect, display: "You may call collect".</p> <p>If a phone number has been received, and it cannot be called collect, display: "You may call them at".</p> |
| phone_txt2 | O | X(24) | L | <p>If a phone number has not been received, leave blank.</p> <p>If a phone number has been received, and it can be called collect, display: "using this phone number:".</p> <p>If a phone number has been received, and it cannot be called collect, display: "this phone number:".</p> |

Standard Data Elements: Screen CN5904 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|--------------|-----|--------|---------|---|
| phone_txt3 | O | X(1) | L | <p>If a phone number has not been received, leave blank.</p> <p>If a phone number has been received, and it can be called collect, leave blank.</p> <p>If a phone number has been received, and it cannot be called collect, leave blank.</p> |
| cs_name | O | X(25) | V | Display the name of the customer service unit associated with this card prefix. If no name is defined, leave blank. |
| phone_number | O | X(25) | L | If a customer service phone number is available for this card prefix, display it. Otherwise, leave blank. |

Screen Transition: See Figure 6-1, Figure 6-5.

Comments: A telephone number can be called collect only if the local configuration flag at the CAT (indicating if collect calls are allowed out of the acquiring country) and the flag in the card prefix table entry from Message 4117 (indicating if the phone number will accept collect calls) *both* indicate that collect calls are possible.

Screen CN5905. Can't Do Now (Continue)

```

111111111122222222223333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 |                                     | 6
7 |                                     | 7
8 |                                     | 8
9 | I'm sorry. I can't do that right now. | 9
10|                                     | 10
11|                                     | 11
12|                                     | 12
13| May I help you with something else? | 13
14|                                     | 14
15| +-----+          +-----+ | 15
16| | Yes |          | No | | 16
17| +-----+          +-----+ | 17
18|                                     | 18
19|                                     | 19
20|                                     | 20
+-----+

```

Screen Transition: See Figure 6-5, Figure 5-6.

STR 44804-S

Screen CN5906. Can't Do Now

```
111111111122222222223333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 |                                     | 6
7 |                                     | 7
8 |                                     | 8
9 | I'm sorry. I can't do that right now. | 9
10|                                     | 10
11|                                     | 11
12|                                     | 12
13|                                     | 13
14|                                     | 14
15|                                     | 15
16|                                     | 16
17|                                     | 17
18|                                     | 18
19|                                     | 19
20|                                     | 20
+-----+
```

Screen Transition: See Figure 6-5.

STR 44804-S

Screen CN5907. New Card

1111111111222222222233333333334
1234567890123456789012345678901234567890

| | | |
|----|--|----|
| 1 | | 1 |
| 2 | | 2 |
| 3 | | 3 |
| 4 | | 4 |
| 5 | | 5 |
| 6 | | 6 |
| 7 | I'm sorry. You are using your new | 7 |
| 8 | card. | 8 |
| 9 | | 9 |
| 10 | Please start over using your old card. | 10 |
| 11 | | 11 |
| 12 | | 12 |
| 13 | | 13 |
| 14 | | 14 |
| 15 | | 15 |
| 16 | | 16 |
| 17 | | 17 |
| 18 | | 18 |
| 19 | | 19 |
| 20 | | 20 |

Screen Transition: See Figure 6-5.

Screen CN5908. Old Card

```
1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 |                                     | 6
7 | I'm sorry. You are using your old | 7
8 | card. It can no longer be used.   | 8
9 |                                   | 9
10| Please start over using your new card. | 10
11|                                     | 11
12|                                     | 12
13|                                     | 13
14|                                     | 14
15|                                     | 15
16|                                     | 16
17|                                     | 17
18|                                     | 18
19|                                     | 19
20|                                     | 20
+-----+
```

Screen Transition: See Figure 6-5.

Screen CN5909. Not Validated Card

```
      1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 | I'm sorry. I can't do that right now. | 6
7 |                                     | 7
8 | Your card has to be validated before   | 8
9 | it can be used.                       | 9
10|                                     | 10
11|                                     | 11
12|                                     | 12
13|                                     | 13
14|                                     | 14
15|                                     | 15
16|                                     | 16
17|                                     | 17
18|                                     | 18
19|                                     | 19
20|                                     | 20
+-----+
```

Screen Transition: See Figure 6-5.

Screen CN5910. Bad Card

```

11111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 | I'm sorry. I can't do that right now. | 1
2 |                                     | 2
3 | I don't recognize that card.         | 3
4 |                                     | 4
5 | Please call your local Customer      | 5
6 | Service. XXXXXXXXXXXXXXXXXXXXXXXX   | 6 phone_txt1
7 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX    | 7 phone_txt2/phone_txt3
8 |                                     | 8
9 |           XXXXXXXXXXXXXXXXXXXXXXXX   | 9 cs_name
10 |          XXXXXXXXXXXXXXXXXXXXXXXX   | 10 phone_number
11 |                                     | 11
12 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX    | 12 cs_txt1
13 | XXXXXXXXXXXXXXXXXXXXXXXX           | 13 cs_txt2/Auth_Resp_Cde/cs_txt3
14 |                                     | 14
15 |                                     | 15
16 |                                     | 16
17 |                                     | 17
18 |                                     | 18
19 |                                     | 19
20 |                                     | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|--------|---------|---|
| phone_txt1 | O | X(20) | L | <p>If a phone number has not been received, leave blank.</p> <p>If a phone number has been received, and it can be called collect, display: "You may call collect".</p> <p>If a phone number has been received, and it cannot be called collect, display: "You may call them at".</p> |

STR 45686-S

Standard Data Elements: Screen CN5910 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|---------------|-----|--------|---------|---|
| phone_txt2 | O | X(24) | L | <p>If a phone number has not been received, leave blank.</p> <p>If a phone number has been received, and it can be called collect, display: "using this phone number:".</p> <p>If a phone number has been received, and it cannot be called collect, display: "this phone number:".</p> |
| phone_txt3 | O | X(1) | L | <p>If a phone number has not been received, leave blank.</p> <p>If a phone number has been received, and it can be called collect, leave blank.</p> <p>If a phone number has been received, and it cannot be called collect, leave blank.</p> |
| cs_name | O | X(25) | V | Display the name of the customer service unit associated with this card prefix. If no name is defined, leave blank. |
| phone_number | O | X(25) | L | If a customer service phone number is available for this card prefix, display it. Otherwise, leave blank. |
| cs_txt1 | O | X(30) | L | If Auth_Resp_Cde was received, display "Please give them the following". |
| cs_txt2 | O | X(12) | L | If Auth_Resp_Cde was received, display "number: ICC-". |
| Auth_Resp_Cde | O | X(5) | L | If Auth_Resp_Cde was received, display the Auth_Resp_Cde returned from the FEP. |
| cs_txt3 | O | X(1) | L | If Auth_Resp_Cde was received, display ".". |

Screen Transition: See Figure 6-5.

Comments: See Comments for Screen CN5904.

Screen CN5911. Account Not Linked Card

```

11111111111222222222233333333334
123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 | I'm sorry.  I don't see           | 6
7 | XXXXXXXXXXXXXXXXXXXXXXX on your card yet. | 7 acct_desc21/suffix_acct14 (not shown)
8 |                                     | 8
9 |                                     | 9
10 |                                    | 10
11 |                                    | 11
12 |                                    | 12
13 | May I help you with something else? | 13
14 |                                    | 14
15 | +-----+           +-----+ | 15
16 | | Yes |           | No | | 16
17 | +-----+           +-----+ | 17
18 |                                     | 18
19 |                                     | 19
20 |                                     | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|--|
| acct_desc21 | O | X(19) | V | Display one of the following, based on the Product Category Code element returned in the profile response: <ul style="list-style-type: none"> 1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 4 - "Time Deposit" 5 - "Savings/Investment" 6 - "a Line of Credit" 7 - "a Mortgage" 8 - "Loans" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" |

STR 44584-S
STR 44537-S

STR 44806-S
STR 46562-S

Standard Data Elements: Screen CN5911 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|---------------|-----|--------|---------|---|
| suffix_acct14 | O | X(1) | V | Display one of the following, based on the Product Category Code element returned in the profile response: 1 - For Checking/Current - leave blank 2 - For Savings - leave blank 3 - For Money Market - leave blank 4 - For Time Deposit - leave blank 5 - For Savings/Investment - leave blank 6 - For a Line of Credit - leave blank 7 - For a Mortgage - leave blank 8 - For Loans - leave blank 9 - For Visa - leave blank 10 - For MasterCard - leave blank 11 - For Diners Club - leave blank |

Screen Transition: See Figure 6-5, Figure 6-9.

STR 44806-S
STR 46562-S

Screen CN5915. Don't Understand Amount

```
111111111122222222223333333334.  
1234567890123456789012345678901234567890  
+-----+  
1 |  
2 |  
3 |  
4 |  
5 |  
6 | I'm sorry. I don't understand that  
7 | amount.  
8 |  
9 |  
10 |  
11 |  
12 |  
13 | Would you like to try again?  
14 |  
15 | +-----+ | +-----+  
16 | | Yes | | | No | |  
17 | +-----+ | +-----+  
18 | | | | +-----+  
19 | | | | | EXIT |  
20 | +-----+ | +-----+  
+-----+
```

Screen Transition: See Figure 3-2, Figure 5-4.

Screen Transition: See Figure 3-3, Figure 3-7, Figure 4-2.

Screen CN5917. Can't Do Now

```
111111111122222222223333333334
123456789012345678901234567890
+-----+
1|                                     1|
2|                                     2|
3|                                     3|
4|                                     4|
5|                                     5|
6|                                     6|
7|                                     7|
8|                                     8|
9|                                     9|
10| I'm sorry. I can't do that right now. 10|
11|                                     11|
12|                                     12|
13|                                     13|
14|                                     14|
15|                                     15|
16|                                     16|
17|                                     17|
18|                                     18|
19|                                     19|
20|                                     20|
+-----+
```

Screen Transition: See Figure 6-5, Figure 2-8, Figure 2-12.

Screen CN5918. Can't Return Card

| | |
|--|----|
| 111111111122222222223333333334 | |
| 1234567890123456789012345678901234567890 | |
| 1 | 1 |
| 2 | 2 |
| 3 | 3 |
| 4 | 4 |
| 5 | 5 |
| 6 | 6 |
| 7 | 7 |
| 8 | 8 |
| 9 | 9 |
| 10 | 10 |
| 11 | 11 |
| 12 | 12 |
| 13 | 13 |
| 14 | 14 |
| 15 | 15 |
| 16 | 16 |
| 17 | 17 |
| 18 | 18 |
| 19 | 19 |
| 20 | 20 |

I'm sorry. I can't return your card
right now.
Please use the phone next to you to
call Customer Service.

Screen Transition: See Figure 6-2.

Screen CN5919. Card Not Taken

1111111111222222222233333333334
1234567890123456789012345678901234567890

| | | |
|----|-------------------------------------|----|
| 1 | | 1 |
| 2 | | 2 |
| 3 | | 3 |
| 4 | | 4 |
| 5 | | 5 |
| 6 | I'm sorry. You haven't taken your | 6 |
| 7 | card. | 7 |
| 8 | | 8 |
| 9 | I'm holding your card for your | 9 |
| 10 | protection. | 10 |
| 11 | | 11 |
| 12 | Please use the phone next to you to | 12 |
| 13 | call Customer Service. | 13 |
| 14 | | 14 |
| 15 | | 15 |
| 16 | | 16 |
| 17 | | 17 |
| 18 | | 18 |
| 19 | | 19 |
| 20 | | 20 |

Screen Transition: See Figure 6-4.

Screen CN5921. Temporary Delays

111111111122222222223333333334
1234567890123456789012345678901234567890

| | | |
|----|-----------------------------------|----|
| 1 | | 1 |
| 2 | | 2 |
| 3 | | 3 |
| 4 | | 4 |
| 5 | | 5 |
| 6 | | 6 |
| 7 | | 7 |
| 8 | I'm sorry. We are having some | 8 |
| 9 | temporary delays. | 9 |
| 10 | | 10 |
| 11 | Please wait a few moments and try | 11 |
| 12 | again. | 12 |
| 13 | | 13 |
| 14 | | 14 |
| 15 | | 15 |
| 16 | | 16 |
| 17 | | 17 |
| 18 | | 18 |
| 19 | | 19 |
| 20 | | 20 |

Screen Transition: See Figure 6-5, Figure 6-6, Figure 2-8, Figure 3-6, Figure 5-6.

Screen CN5923. Card Captured

```

1111111111222222222233333333334
123456789012345678901234567890
+-----+
1| 1
2| I'm sorry. There is a problem with 2
3| your card. 3
4| 4
5| I'm holding your card for your 5
6| protection. 6
7| 7
8| Please call your local Customer 8
9| Service. XXXXXXXXXXXXXXXXXXXX 9 phone_txt1
10| XXXXXXXXXXXXXXXXXXXXXXXXXXXX 10 phone_txt2/phone_txt3
11| XXXXXXXXXXXXXXXXXXXXXXXXXXXX 11 cs_name
12| XXXXXXXXXXXXXXXXXXXXXXXXXXXX 12 phone_number
13| XXXXXXXXXXXXXXXXXXXXXXXXXXXX 13 cs_txt1
14| XXXXXXXXXXXXXXXXXXXXXXXXXXXX 14 cs_txt2/Auth_Resp_Cde/cs_txt3
15| 15
16| 16
17| 17
18| 18
19| 19
20| 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|--------|---------|---|
| phone_txt1 | O | X(20) | L | <p>If a phone number has not been received, leave blank.</p> <p>If a phone number has been received, and it can be called collect, display: "You may call collect".</p> <p>If a phone number has been received, and it cannot be called collect, display: "You may call them at".</p> |

STR 46586-S

Standard Data Elements: Screen CN5923 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|---------------|-----|--------|---------|---|
| phone_txt2 | O | X(24) | L | <p>If a phone number has not been received, leave blank.</p> <p>If a phone number has been received, and it can be called collect, display: "using this phone number:".</p> <p>If a phone number has been received, and it cannot be called collect, display: "this phone number:".</p> |
| phone_txt3 | O | X(1) | L | <p>If a phone number has not been received, leave blank.</p> <p>If a phone number has been received, and it can be called collect, leave blank.</p> <p>If a phone number has been received, and it cannot be called collect, leave blank.</p> |
| cs_name | O | X(25) | V | Display the name of the customer service unit associated with this card prefix. If no name is defined, leave blank. |
| phone_number | O | X(25) | L | If a customer service phone number is available for this card prefix, display it. Otherwise, leave blank. |
| cs_txt1 | O | X(30) | L | If Auth_Resp_Cde was received, display "Please give them the following". |
| cs_txt2 | O | X(12) | L | If Auth_Resp_Cde was received, display "number: ICC-". |
| Auth_Resp_Cde | O | X(5) | L | If Auth_Resp_Cde was received, display the Auth_Resp_Cde returned from the FEP. |
| cs_txt3 | O | X(1) | L | If Auth_Resp_Cde was received, display ".". |

Screen Transition: See Figure 6-5.

Comments: See Comments for Screen CN5904.

Screen CN5924. Timed Out

```
111111111122222222223333333334
1234567890123456789012345678901234567890
+-----+
1|                                     1
2|                                     2
3|                                     3
4|                                     4
5| I'm sorry. I haven't heard from you 5
6| for a while.                          6
7|                                     7
8| For your protection I won't continue 8
9| with what I was doing.                 9
10|                                     10
11|                                     11
12|                                     12
13|                                     13
14|                                     14
15|                                     15
16|                                     16
17|                                     17
18|                                     18
19|                                     19
20|                                     20
+-----+
```

Screen Transition: See Figure 6-3.

Screen CN5925. Tell Me Your PIN

```

1111111111222222222233333333334
123456789012345678901234567890
+-----+
1 | Okay. Please tell me your | 1
2 | Personal Identification Number. | 2
3 | Then touch ENTER. | 3
4 | | 4
5 | +-----+ | 5
6 | |*****| | 6 pic
7 | +-----+ | 7
8 | | QZ | ABC | DEF | | 8
9 | | 1 | 2 | 3 | | 9
10 | | | | | | 10
11 | +-----+ ENTER | 11
12 | | GHI | JKL | MNO | | 12
13 | | 4 | 5 | 6 | | 13
14 | | | | | | 14
15 | +-----+ | 15
16 | | PRS | TUV | WXY | | 16
17 | | 7 | 8 | 9 | | 17
18 | +-----+ | 18
19 | | CLEAR | 0 | | EXIT | | 19
20 | +-----+ | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|--|
| pic | I | 9(12) | | Entry is left to right, typewriter style. Mask input with asterisks. |

Screen Transition: See Figure 6-1, Figure 6-7, Figure 6-8, Figure 2-9.

Screen CN5926. PIN Not Recognized, Try Again - Off-Us

```

1111111111222222222233333333334
123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 |                                     | 6
7 | I'm sorry.  Your bank didn't recognize | 7
8 | that Personal Identification Number.   | 8
9 |                                     | 9
10|                                     | 10
11|                                     | 11
12|                                     | 12
13| Would you like to try again?           | 13
14|                                     | 14
15| +-----+           +-----+       | 15
16| | Yes  |           | No  |           | 16
17| +-----+           +-----+       | 17
18|                                     | 18
19|                                     | 19
20|                                     | 20
+-----+

```

Screen Transition: See Figure 6-1, Figure 6-7, Figure 6-8, Figure 2-9.

Screen CN5927. Bad Card, Off-Us

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 | I'm sorry. I can't do that right now. | 1
2 |                                     | 2
3 |                                     | 3
4 | Your bank didn't recognize that card. | 4
5 |                                     | 5
6 | Please call your local Customer      | 6
7 | Service. XXXXXXXXXXXXXXXXXXXXXXXX   | 7 phone_txt1
8 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX     | 8 phone_txt2/phone_txt3
9 |                                     | 9
10 |          XXXXXXXXXXXXXXXXXXXXXXXX    | 10 cs_name
11 |          XXXXXXXXXXXXXXXXXXXXXXXX    | 11 phone_number
12 |                                     | 12
13 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX    | 13 cs_txt1
14 | XXXXXXXXXXXXXXXXXXXXXXXX            | 14 cs_txt2/Auth_Resp_Cde/cs_txt3
15 |                                     | 15
16 |                                     | 16
17 |                                     | 17
18 |                                     | 18
19 |                                     | 19
20 |                                     | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|--------|---------|---|
| phone_txt1 | O | X(20) | L | <p>If a phone number has not been received, leave blank.</p> <p>If a phone number has been received, and it can be called collect, display: "You may call collect".</p> <p>If a phone number has been received, and it cannot be called collect, display: "You may call them at".</p> |

STR 46586-S

Standard Data Elements: Screen CN5927 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|---------------|-----|--------|---------|---|
| phone_txt2 | O | X(24) | L | <p>If a phone number has not been received, leave blank.</p> <p>If a phone number has been received, and it can be called collect, display: "using this phone number:".</p> <p>If a phone number has been received, and it cannot be called collect, display: "this phone number:".</p> |
| phone_txt3 | O | X(1) | L | <p>If a phone number has not been received, leave blank.</p> <p>If a phone number has been received, and it can be called collect, leave blank.</p> <p>If a phone number has been received, and it cannot be called collect, leave blank.</p> |
| cs_name | O | X(25) | V | Display the name of the customer service unit associated with this card prefix. If no name is defined, leave blank. |
| phone_number | O | X(25) | L | If a customer service phone number is available for this card prefix, display it. Otherwise, leave blank. |
| cs_txt1 | O | X(30) | L | If Auth_Resp_Cde was received, display "Please give them the following". |
| cs_txt2 | O | X(12) | L | If Auth_Resp_Cde was received, display "number: ICC-". |
| Auth_Resp_Cde | O | X(5) | L | If Auth_Resp_Cde was received, display the Auth_Resp_Cde returned from the FEP. |
| cs_txt3 | O | X(1) | L | If Auth_Resp_Cde was received, display ".". |

Screen Transition: See Figure 6-5.

Comments: See Comments for Screen CN5904.

Standard Data Elements

STR 44810-S
STR 44537-S

Standard Data Elements: Screen CN5928 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|---|
| suffix_acct | O | X(1) | V | Display one of the following, based on the Product Type Code element returned in the response, if present, or otherwise based on the Product Type Code in the request: For Checking - leave blank For Savings - leave blank For Credit - leave blank |

Screen Transition: See Figure 6-5.

Screen CN5929. Can't Help You, Off-Us

```
1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 |                                     | 6
7 |                                     | 7
8 |                                     | 8
9 | I'm sorry. I can't help you.      | 9
10|                                     | 10
11| Your bank did not accept your request. | 11
12|                                     | 12
13|                                     | 13
14|                                     | 14
15|                                     | 15
16|                                     | 16
17|                                     | 17
18|                                     | 18
19|                                     | 19
20|                                     | 20
+-----+
```

Screen Transition: See Figure 6-5.

Screen CN5930. Bad Card Prefix

```
111111111122222222223333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 |                                     | 6
7 |                                     | 7
8 |                                     | 8
9 | I'm sorry. I can't handle this card | 9
10| yet.                               | 10
11|                                     | 11
12|                                     | 12
13|                                     | 13
14|                                     | 14
15|                                     | 15
16|                                     | 16
17|                                     | 17
18|                                     | 18
19|                                     | 19
20|                                     | 20
+-----+
```

Screen Transition: See Figure 6-5, Figure 2-8.

Screen CN5931. Tell Me Your PIN - PC CAT

1111111111222222222233333333334
1234567890123456789012345678901234567890

| | | |
|----|---------------------------------|----|
| 1 | | 1 |
| 2 | | 2 |
| 3 | | 3 |
| 4 | | 4 |
| 5 | | 5 |
| 6 | | 6 |
| 7 | | 7 |
| 8 | | 8 |
| 9 | Okay. Please tell me your | 9 |
| 10 | Personal Identification Number. | 10 |
| 11 | | 11 |
| 12 | | 12 |
| 13 | | 13 |
| 14 | | 14 |
| 15 | | 15 |
| 16 | | 16 |
| 17 | | 17 |
| 18 | | 18 |
| 19 | | 19 |
| 20 | | 20 |

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|-------------------------------|
| pic_a | I | 9(12) | | Entry is from PC CAT PIN Pad. |

Screen Transition: See Figure 6-1, Figure 6-7, Figure 6-8, Figure 2-9.

STR 44805-S

Overlay CN5932.Take Your Card

| | |
|--|------|
| 111111111122222222223333333334 | |
| 1234567890123456789012345678901234567890 | |
| +-----+ | |
| 1 | 1 |
| 2 | 2 |
| 3 | 3 |
| 4 | 4 |
| 5 | 5 |
| 6 | 6 |
| 7 | 7 |
| 8 | 8 |
| 9 | 9 |
| 10 | 10 |
| 11 | 11 |
| 12 | 12 |
| 13 | 13 |
| 14 | 14 |
| 15 | 15 |
| 16 | 16 |
| 17 | 17 |
| 18 + | + 18 |
| 19 | 19 |
| Please take your card. | |
| 20 + | + 20 |
| +-----+ | |

Screen Transition: See Figure 6-3.

Screen CN5933. Acct Resolver: Which Of 1

| | |
|--|---|
| 111111111122222222223333333334 | |
| 1234567890123456789012345678901234567890 | |
| 1 | 1 |
| 2 | 2 acct_desc10/suffix_acct10(not shown) |
| 3 | 3 acct_desc10a |
| 4 | 4 |
| 5 | 5 |
| 6 | 6 |
| 7 | 7 See Comments Below |
| 8 | 8 |
| 9 | 9 |
| 10 | 10 |
| 11 | 11 |
| 12 | 12 |
| 13 | 13 acct_desc23/suffix_acct12(not shown) |
| 14 | 14 |
| 15 | 15 |
| 16 | 16 |
| 17 | 17 |
| 18 | 18 |
| 19 | 19 |
| 20 | 20 |

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|--|
| acct_desc10 | O | X(30) | V | For ICC Card Class 91, if the application requiring Account Resolution is Transfer, then- - If the Citibank Account (CA) Category chosen at the beginning of the session = "Checking or Current" and the CA Category of the Destination Product is <i>not</i> "Checking or Current", then display "Which Checking shall I get the". |

STR 44808-S

Standard Data Elements: Screen CN5933 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|---------------|-----|--------|---------|--|
| | | | | <p>Else, display one of the following, based on the Product Category Code element returned in the profile response:</p> <ul style="list-style-type: none"> 1 - "Which Checking/Current?" 2 - "Which Savings?" 3 - "Which Money Market?" 4 - "Which Time Deposit?" 5 - "Which Savings/Investment?" 6 - "Which Line of Credit?" 7 - "Which Mortgage?" 8 - "Which Loan?" 9 - "Which Visa?" 10 - "Which MasterCard?" 11 - "Which Diners Club?" |
| suffix_acct10 | O | X(1) | V | <p>Display one of the following, based on the Product Category Code element returned in the profile response:</p> <ul style="list-style-type: none"> 1 - For Checking/Current - leave blank 2 - For Savings - leave blank 3 - For Money Market - leave blank 4 - For Time Deposit - leave blank 5 - For Savings/Investment - leave blank 6 - For a Line of Credit - leave blank 7 - For a Mortgage - leave blank 8 - For Loan - leave blank 9 - For Visa - leave blank 10 - For MasterCard - leave blank 11 - For Diners Club - leave blank |
| acct_desc10a | O | X(11) | V | <p>For ICC Card Class 91, if the application requiring Account Resolution is Transfer, then-</p> <p>- If the Citibank Account (CA) Category chosen at the beginning of the session = "Checking or Current" and the CA Category of the Destination Product is <i>not</i> "Checking or Current", then display "money from?".</p> <p>Else, leave blank.</p> |

STR 44537-S

STR 46562-S

Standard Data Elements: Screen CN5933 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------------|-----|--------|---------|---|
| resX_descrip_Cent | O | X(22) | L | See Process CN5555 for text to display. |
| resX_descrip_Top | O | X(22) | L | See Process CN5555 for text to display. |
| resX_date | O | X(11) | L | See Process CN5555 for text to display. |
| resX_amount_Cent | O | X(25) | R | See Process CN5555 for text to display. |
| resX_amount_Top | O | X(25) | R | See Process CN5555 for text to display. |
| acct_desc23 | O | X(18) | V | Display one of the following, based on the Product Category Code element returned in the profile response: <ul style="list-style-type: none"> 1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 4 - "Time Deposit" 5 - "Savings/Investment" 6 - "Line of Credit" 7 - "Mortgage" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" |
| suffix_acct12 | O | X(1) | V | Display one of the following, based on the Product Category Code element returned in the profile response: <ul style="list-style-type: none"> 1 - For Checking/Current - leave blank 2 - For Savings - leave blank 3 - For Money Market - leave blank 4 - For Time Deposit - leave blank 5 - For Savings/Investment - leave blank 6 - For Line of Credit - leave blank 7 - For Mortgage - leave blank 8 - For Loan - leave blank 9 - For Visa - leave blank 10 - For MasterCard - leave blank 11 - For Diners Club - leave blank |

STR 44537-S

STR 44579-S

STR 44808-S

STR 46562-S

STR 48540-S

Screen Transition: See Figure 6-9.

Comments: Five variables are displayed on each Account Resolver button.

The first variable is called `resX_descrip_Cent`, where X is the Account Resolver button number. This button is displayed in the 53x24 character font, vertically centered within the button, left justified.

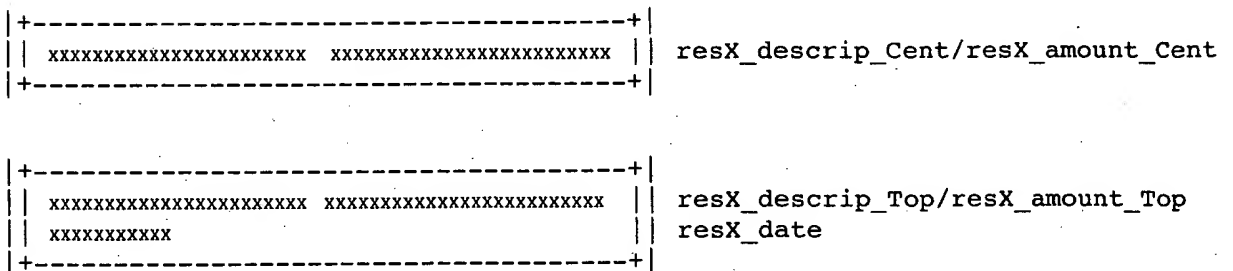
The second variable is called `resX_descrip_Top`, where X is the Account Resolver button number. This button is displayed in the 53x24 character font, on the top line of a two-line button, left justified.

The third variable is called `resX_date`, where X is the Account Resolver button number. This button is displayed in the 53x24 character font, on the bottom line of a two-line button, left justified.

The fourth variable is called `resX_amount_Cent`, where X is this Account Resolver button number. `resX_amount_Cent` is displayed in the 53x24 character font, vertically centered within the button, right justified.

The fifth variable is called `resX_amount_Top`, where X is this Account Resolver button number. `resX_amount_Top` is displayed in the 53x24 character font, on the bottom line of a two-line button, right justified.

When used on a button, there are two possible layouts, shown below:



STR 44579-S
STR 48540-S

Screen CN5934. Acct Resolver: Which Of 2

```

111111111122222222223333333334
123456789012345678901234567890
+-----+
1 |                                           | 1
2 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 2 acct_desc10/suffix_acct10(not shown)
3 | XXXXXXXXXXXX | 3 acct_desc10a
4 | | 4
5 |-----| 5
6 | | 6 See Comments Below
7 |-----| 7
8 | | 8
9 |-----| 9
10 | | 10 See Comments Below
11 |-----| 11
12 | | 12
13 |-----| 13
14 | A different XXXXXXXXXXXXXXXXXXXX | 14 acct_desc23/suffix_acct12(not shown)
15 |-----| 15
16 | | 16
17 | | 17
18 | | 18
19 | | 19
20 | | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|--|
| acct_desc10 | O | X(30) | V | For ICC Card Class 91, if the application requiring Account Resolution is Transfer, then- - If the Citibank Account (CA) Category chosen at the beginning of the session = "Checking or Current" and the CA Category of the Destination Product is <i>not</i> "Checking or Current", then display "Which Checking shall I get the". |

STR 44809-S

Standard Data Elements: Screen CN5934 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|---------------|-----|--------|---------|--|
| | | | | <p>Else, display one of the following, based on the Product Category Code element returned in the profile response:</p> <ul style="list-style-type: none"> 1 - "Which Checking/Current?" 2 - "Which Savings?" 3 - "Which Money Market?" 4 - "Which Time Deposit?" 5 - "Which Savings/Investment?" 6 - "Which Line of Credit?" 7 - "Which Mortgage?" 8 - "Which Loan?" 9 - "Which Visa?" 10 - "Which MasterCard?" 11 - "Which Diners Club?" |
| suffix_acct10 | O | X(1) | V | <p>Display one of the following, based on the Product Category Code element returned in the profile response:</p> <ul style="list-style-type: none"> 1 - For Checking/Current - leave blank 2 - For Savings - leave blank 3 - For Money Market - leave blank 4 - For Time Deposit - leave blank 5 - For Savings/Investment - leave blank 6 - For Line of Credit - leave blank 7 - For Mortgage - leave blank 8 - For Loan - leave blank 9 - For Visa - leave blank 10 - For MasterCard - leave blank 11 - For Diners Club - leave blank |
| acct_desc10a | O | X(11) | V | <p>For ICC Card Class 91, if the application requiring Account Resolution is Transfer, then-</p> <p>- If the Citibank Account (CA) Category chosen at the beginning of the session = "Checking" and the CA Category of the Destination Product is <i>not</i> "Checking", then display "money from?".</p> <p>Else, leave blank.</p> |

STR 44537-S
STR 46562-S

Standard Data Elements: Screen CN5934 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------------|-----|--------|---------|---|
| resX_descrip_Cent | O | X(22) | L | See Process CN5555 for text to display. |
| resX_descrip_Top | O | X(22) | L | See Process CN5555 for text to display. |
| resX_date | O | X(11) | L | See Process CN5555 for text to display. |
| resX_amount_Cent | O | X(25) | R | See Process CN5555 for text to display. |
| resX_amount_Top | O | X(25) | R | See Process CN5555 for text to display. |
| acct_desc23 | O | X(18) | V | Display one of the following, based on the Product Category Code element returned in the profile response: <ul style="list-style-type: none"> 1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 4 - "Time Deposit" 5 - "Savings/Investment" 6 - "Line of Credit" 7 - "Mortgage" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" |
| suffix_acct12 | O | X(1) | V | Display one of the following, based on the Product Category Code element returned in the profile response: <ul style="list-style-type: none"> 1 - For Checking/Current - leave blank 2 - For Savings - leave blank 3 - For Money Market - leave blank 4 - For Time Deposit - leave blank 5 - For Savings/Investment - leave blank 6 - For Line of Credit - leave blank 7 - For Mortgage - leave blank 8 - For Loan - leave blank 9 - For Visa - leave blank 10 - For MasterCard - leave blank 11 - For Diners Club - leave blank |

Screen Transition: See Figure 6-9.

Comments: See Comments on Screen CN5933.

STR 44579-S

STR 44809-S

STR 44537-S

STR 46562-S

STR 48540-S

Screen CN5935. Acct Resolver: Which Of 3 Or More

| | |
|--|--------------------------------------|
| 111111111122222222223333333334 | |
| 1234567890123456789012345678901234567890 | |
| 1 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |
| 2 | XXXXXXXXXXXX |
| 3 | |
| 4 | +-----+ |
| 5 | |
| 6 | +-----+ |
| 7 | +-----+ |
| 8 | |
| 9 | +-----+ |
| 10 | +-----+ |
| 11 | |
| 12 | +-----+ |
| 13 | +-----+ |
| 14 | A different XXXXXXXXXXXXXXXXXXXXXXX |
| 15 | +-----+ |
| 16 | |
| 17 | |
| 18 | +-----+ |
| 19 | EXIT |
| 20 | +-----+ |

1 acct_desc10/suffix_acct10(not shown)

2 acct_desc10a

3

4

5 See Comments Below

6

7

8 See Comments Below

9

10

11 See Comments Below

12

13

14 acct_desc23/suffix_acct12(not shown)

15

16

17

18

19

20

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|--|
| acct_desc10 | O | X(30) | V | For ICC Card Class 91, if the application requiring Account Resolution is Transfer, then- - If the Citibank Account (CA) Category chosen at the beginning of the session = "Checking or Current" and the CA Category of the Destination Product is <i>not</i> "Checking or Current", then display "Which Checking shall I get the". |

STR 44809-S

Standard Data Elements: Screen CN5935 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------------|-----|--------|---------|--|
| | | | | Else, display one of the following, based on the Product Category Code element returned in the profile response: |
| | | | | 1 - "Which Checking/Current?" |
| | | | | 2 - "Which Savings?" |
| | | | | 3 - "Which Money Market?" |
| | | | | 4 - "Which Time Deposit?" |
| | | | | 5 - "Which Savings/Investment?" |
| | | | | 6 - "Which Line of Credit?" |
| | | | | 7 - "Which Mortgage?" |
| | | | | 8 - "Which Loan?" |
| | | | | 9 - "Which Visa?" |
| | | | | 10 - "Which MasterCard?" |
| | | | | 11 - "Which Diners Club?" |
| suffix_acct10 | O | X(1) | V | Display one of the following, based on the Product Category Code element returned in the profile response: |
| | | | | 1 - For Checking/Current - leave blank |
| | | | | 2 - For Savings - leave blank |
| | | | | 3 - For Money Market - leave blank |
| | | | | 4 - For Time Deposit - leave blank |
| | | | | 5 - For Savings/Investment - leave blank |
| | | | | 6 - For Line of Credit - leave blank |
| | | | | 7 - For Mortgage - leave blank |
| | | | | 8 - For Loan - leave blank |
| | | | | 9 - For Visa - leave blank |
| | | | | 10 - For MasterCard - leave blank |
| | | | | 11 - For Diners Club - leave blank |
| acct_desc10a | O | X(11) | V | For ICC Card Class 91, if the application requiring Account Resolution is Transfer, then- |
| | | | | - If the Citibank Account (CA) Category chosen at the beginning of the session = "Checking" and the CA Category of the Destination Product is not "Checking", then display "money from?" |
| | | | | Else, leave blank. |
| resX_descrip_Cent | O | X(22) | L | See Process CN5555 for text to display. |

STR 44537-S

STR 46562-S

Standard Data Elements: Screen CN5935 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------------|-----|--------|---------|---|
| resX_descrip_Top | O | X(22) | L | See Process CN5555 for text to display. |
| resX_date | O | X(11) | L | See Process CN5555 for text to display. |
| resX_amount_Cent | O | X(25) | R | See Process CN5555 for text to display. |
| resX_amount_Top | O | X(25) | R | See Process CN5555 for text to display. |
| acct_desc23 | O | X(18) | V | Display one of the following, based on the Product Category Code element returned in the profile response: <ul style="list-style-type: none"> 1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 4 - "Time Deposit" 5 - "Savings/Investment" 6 - "Line of Credit" 7 - "Mortgage" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" |
| suffix_acct12 | O | X(1) | V | Display one of the following, based on the Product Category Code element returned in the profile response: <ul style="list-style-type: none"> 1 - For Checking/Current - leave blank 2 - For Savings - leave blank 3 - For Money Market - leave blank 4 - For Time Deposit - leave blank 5 - For Savings/Investment - leave blank 6 - For Line of Credit - leave blank 7 - For Mortgage - leave blank 8 - For Loan - leave blank 9 - For Visa - leave blank 10 - For MasterCard - leave blank 11 - For Diners Club - leave blank |

Screen Transition: See Figure 6-9.

Comments: See Comments on Screen CN5933.

STR 44579-S

STR 44809-S

STR 44537-S

STR 46562-S

STR 48540-S

Screen CN5936. Acct Resolver - No More Linked

```

111111111122222222223333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 | I'm sorry. I can't find any other | 5
6 | XXXXXXXXXXXXXXXXXXXX on your    | 6 acct_desc26/suffix_acct11(not shown)
7 | card.                            | 7
8 |                                     | 8
9 |                                     | 9
10 |                                    | 10
11 |                                    | 11
12 |                                    | 12
13 | Would you like to try again?    | 13
14 |                                    | 14
15 | +-----+          +-----+    | 15
16 | | Yes  |          | No  |      | 16
17 | +-----+          +-----+    | 17
18 |                                     | 18
19 |                                     | 19
20 |                                     | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|--|
| acct_desc26 | O | X(18) | V | <p>Display one of the following, based on the Product Category Code element returned in the profile response:</p> <ul style="list-style-type: none"> 1 - "Checking/Current" 2 - "Savings" 3 - "Money Market" 4 - "Time Deposit" 5 - "Savings/Investment" 6 - "Line of Credit" 7 - "Mortgage" 8 - "Loan" 9 - "Visa" 10 - "MasterCard" 11 - "Diners Club" |

STR 44811-S

STR 44537-S

STR 46562-S

Standard Data Elements: Screen CN5936 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|---------------|-----|--------|---------|--|
| suffix_acct11 | O | X(1) | V | Display one of the following, based on the Product Category Code element returned in the profile response: 1 - For Checking/Current - leave blank 2 - For Savings - leave blank 3 - For Money Market - leave blank 4 - For Time Deposit - leave blank 5 - For Savings/Investment - leave blank 6 - For Line of Credit - leave blank 7 - For Mortgage - leave blank 8 - For Loan - leave blank 9 - For Visa - leave blank 10 - For MasterCard - leave blank 11 - For Diners Club - leave blank |

Screen Transition: See Figure 6-9.

STR 46562-S

6.5 Processes

This section shows the Processes defined for the Common Screens and Procedures.

6.5.1 PRC CN5555. Account Resolution

It is possible that a customer may have more than one product within a given product category. This information will be returned in the profile message response when they use a card which returns a profile. For these customers, account resolution takes place after they have chosen functionality. The screens used for account resolution are CN5933, CN5934, CN5935, and CN5936.

Account Resolution follows this process:

- The number of products for the product category is determined from the profile message.
- If there are no products for the category picked, then an error screen is shown.
- If there are exactly two products for the category, Screen CN5934 is used.
- If there are three or more products for the category, Screen CN5935 is used.
- If the customer chooses "A different <category_name>" (for example, "A different Checking/Current"), then the same base screens are used for the number of products remaining. If there are no products remaining in the list, then the customer is shown Screen CN5936 and given the opportunity to look at the list again.
- If the customer decides to try again, the counter is reset and the account resolution screens are shown again.

Since the Account Resolution screens are intended to be generic, the Global ICC application does not show a customer the name of a given product, even if it is received in a message.

Instead, the following information is seen, depending on what information is returned in the message, and the type of product that is being resolved:

- Account Number
- Account "Nickname"
- Currency Descriptor
- Account Balance
- Date (for example, for Time Deposits, the "Maturity Date" would show if received.)

The following rules apply as to what to display (refer to the Comments on Screen CN5933 to view the text layout on the button):

- For the variables “resX_descrip_Cent” and “resX_descrip_Top”, either an account number or the account “Nickname” must be displayed. If both an account number and a “Nickname” are received, then only the “Nickname” should be displayed. If no “Nickname” is received, the account number should always be displayed.

The only circumstances in which to use the “resX_descrip_Top” variable is when a Date is returned, as with Time Deposits.

- For the variables “resX_amount_Cent” and “resX_amount_Top”:

For CA Categories “Checking or Current” and “Savings and Investments”, display both the Currency Descriptor and the Account Balance. The Account Balance that should be displayed is the “Resolver Balance” received from the Profile message. If this balance is not received, then the Currency Descriptor should be displayed alone.

The only circumstance in which to use the “resX_amount_Top” variable is when a Date is returned, as with Time Deposits.

For CA Categories “Credit Cards” and “Loans”, display only the Currency Descriptor. These will always display in the variable “resX_amount_Cent”.

- If a Resolver Date (ID 7433) is returned as part of the Account Details Table in Message 4604, then display it in the variable “resX_date”. (For a description of how to display dates, please refer to Appendix NO TAG.)

Below are examples of buttons that could appear in Account Resolution:

Example of Checking Account showing an account number:

| | | | |
|---------|----------|------------------------------------|--------------|
| +-----+ | | +-----+ | |
| | 99123345 | | US\$3,267.18 |
| +-----+ | | +-----+ | |
| | | resX_descrip_Cent/resX_amount_Cent | |

Example of Money Market showing “Nickname”:

| | | | |
|---------|------------------------|------------------------------------|---------------|
| +-----+ | | +-----+ | |
| | Michael's College Fund | | US\$25,123.23 |
| +-----+ | | +-----+ | |
| | | resX_descrip_Cent/resX_amount_Cent | |

Example of Time Deposit:

| | | | |
|---------|-------------|----------------------------------|------|
| +-----+ | | +-----+ | |
| | 6453765389 | | US\$ |
| | 12 Dec 1996 | | |
| +-----+ | | +-----+ | |
| | | resX_descrip_Top/resX_amount_Top | |
| | | resX_date | |

STR 44544-S

Chapter 7

Printed Records

An integral part of Global ICC is the printed record which the customer receives from the CAT. This chapter details the printer's defaults, the specific information which should be printed for each transaction, and the formats for printing the data.

This chapter covers the following:

- Printer Defaults (Section 7.1)
- Printer Margins (Section 7.2)
- What to Print for Each Transaction (Section 7.3)
- Special Tables (Section 7.4)
- Formats (Section 7.5)

7.1 Printer Defaults

The following defaults apply:

- Font #32
- Bidirectional printing
- Basic density
- Draft mode
- Single-width characters
- 10.3 characters per inch
- 6 lines per inch

7.2 Printer Margins

To accommodate the different printed record forms of Citicorp/Citibank businesses, variable left, top, and bottom margins are specified for each business that uses Global ICC, based on that business's printed record form, as follows:

- A left margin of 0-8 blank spaces
- A top margin of 1-6 blank lines
- A bottom margin of 0-6 blank lines

Note

Care must be taken in setting the margin variables. Given the maximum form length of 16 lines, the sum of top margin + bottom margin + header + length of the largest record component to be printed, *must be less than 16*.

Printed records are shown in this APS with the largest possible left margin (8 columns). This ensures that even if the left margin is set to the maximum, these record layouts fit on the printed form.

Similarly, the printed record formats are shown starting on line 1. Where they actually start on a record depends on the top margin and on other records that were queued earlier in the session.

The samples given in Section 7.3 show what they would look like if the top margin were set to line 2.

7.3 What to Print for Each Transaction

The information that is printed depends primarily on the transaction information returned from the host. The printed record formats have been broken down into "components" so that a printed record may be assembled from the components based on the data returned.

The following sections show the preferred list of what to print for each transaction.

Cash Withdrawal

This section shows the preferred list of what to print for Cash Withdrawal for Card Classes 91 and 93:

- PR0022 or PR0023 (depending upon receipt of Eqv_Txn_Amt)
- and
- PR0024 or PR0025 or nothing (if two, one, or no balances were returned respectively)

The sample record in Figure 7-1a shows a customer who has an account in British pounds (GBP) withdrawing S\$100 (Singapore dollars) from Checking/Current using an On-Us Card Class 91 or 93. Both new Checking/Current balances were returned.

```

1111111111222222222333333333444444444555
<margin>1234567890123456789012345678901234567890123456789012
+-----+
1 | DATE           TIME    LOCATION   CARD NUMBER   | 1
2 | 31 OCT 1996    12:17   CH00705    1234XXX896705 | 2
3 |                                     | 3
4 |                                     | 4
5 | GOT S$100 CASH - (#110)           | 5
6 | GBP45.57 WAS DEDUCTED              | 6
7 | FROM CHECKING/CURRENT XXXXXXXXXXXXXXX7890 | 7
8 |                                     | 8
9 | NEW CHECKING/CURRENT BALANCES XXXXXXXXXXXXXXX7890 | 9
10 |                                     | 10
11 |                                     | 11
12 |                                     | 12
13 |                                     | 13
14 |                                     | 14
15 |                                     | 15
16 |                                     | 16
+-----+

```

Figure 7-1.a. Sample Cash Withdrawal Record - For Citicorp Card Classes 91 and 93

STR 46814-S
STR 46819-S

- PR0002 or PR0003 (depending upon receipt of Eqv_Txn_Amt)
and
- PR0004 or PR0005 or nothing (if two, one, or no Checking or Savings balances were returned)
or
- PR0006 or PR0007 or nothing (if two, one, or no Credit balances were returned)

The sample record in Figure 7-1b shows a customer who has an account in British pounds (GBP) withdrawing S\$100 (Singapore dollars) from Checking/Current. Both new Checking/Current balances were returned.

| | | |
|----|--|------------------|
| 1 | 111111111122222222223333333333334444444444555 | |
| 2 | <margin>1234567890123456789012345678901234567890123456789012 | |
| 3 | | |
| 4 | | |
| 5 | 31 OCT 1990 | 12:17 CH00705 |
| 6 | | XXXXXXXXXXXX6705 |
| 7 | | |
| 8 | GOT S\$100 CASH - (#101) | |
| 9 | GBP45.57 WAS DEDUCTED FROM CHECKING | |
| 10 | | |
| 11 | NEW CHECKING BALANCES | |
| 12 | GBP2,056.00 ON DEPOSIT | |
| 13 | GBP2,056.00 AVAILABLE NOW | |
| 14 | | |
| 15 | | |
| 16 | | |

Figure 7-1b. Sample Cash Withdrawal Record - For Off-Us Card Classes 10-13

STR 46814-S
STR 46824-S

Transfer Money

This section shows the preferred list of what to print for Transfer Money for Card Classes 91 and 93:

- PR0028 or PR0029 (depending upon receipt of Srce_Eqv_Txn_Amt and Dest_Eqv_Txn_Amt)
and
- PR0024 or PR0025 or nothing (if two, one, or no balances were returned for the source account)
and
- PR0024 or PR0025 or nothing (if two, one, or no balances were returned for the destination account)

The sample record in Figure 7-2a shows the customer transferred ¥350,000 from a Japanese yen Checking Account to a U.S. dollar Savings Account using an On-Us Card Class 91 or 93. Equivalent transaction amounts were returned.

Only the Avail_Bal was returned for the source account (Checking). Both Current_Bal and Avail_Bal were returned for the destination account (Savings).

```

11111111112222222222333333333334444444444555
<margin>1234567890123456789012345678901234567890123456789012
+-----+
1 | DATE           TIME    LOCATION   CARD NUMBER   | 1
2 | 31 OCT 1996    12:17   CH00705    1234XXXX896705 | 2
3 |                                     | 3
4 |                                     | 4
5 | TRANSFER ¥350,000 - (#501)         | 5
6 |   FROM CHECKING/CURRENT XXXXXXXXXXXXXXXX7890 | 6
7 |   US$1,200.27 WAS CREDITED         | 7
8 |   TO SAVINGS XXXXXXXXXXXXXXXX1234    | 8
9 |                                     | 9
10 | NEW CHECKING/CURRENT BALANCE XXXXXXXXXXXXXXXX7890 | 10
11 |                               ¥3,000 AVAILABLE NOW | 11
12 |                                     | 12
13 | NEW SAVINGS BALANCES XXXXXXXXXXXXXXXX7890 | 13
14 |                               US$1,200.27 ON DEPOSIT | 14
15 |                               US$1,400.00 AVAILABLE NOW | 15
16 |                                     | 16
+-----+

```

Figure 7-2.a. Sample Transfer Record - For Citicorp Card Classes 91 and 93

For See Information

This section shows the preferred list of what to print for See Information:

PR0030 or PR0031 (depending upon if one or two balances are returned)

The sample record in Figure 7-3a shows the customer checking balance inquiry (Current_Bal and Avail_Bal returned), and a credit inquiry (Cash_Advance_Amt only returned) when using an On-Us Card Class 91 or 93.

```

1111111111222222222233333333334444444444555
<margin>123456789012345678901234567890123456789012
+-----+
1 |          DATE          TIME   LOCATION   CARD NUMBER          | 1
2 |          31 OCT 1996   12:17   CH00705   1234XXXX896705      | 2
3 |          BALANCES - (#310)                                     | 3
4 |          CHECKING/CURRENT XXXXXXXXXXXXXXXX7890              | 4
5 |                      R$25.000,57  ON DEPOSIT                 | 5
6 |                      R$10.000,00  AVAILABLE NOW              | 6
7 |          BALANCE - (#316)                                     | 7
8 |          VISA XXXXXXXXXXXXXXXX4321                          | 8
9 |                      R$5.000,00  CASH ADVANCE AVAILABLE      | 9
10 |          | 10
11 |          | 11
12 |          | 12
13 |          | 13
14 |          | 14
15 |          | 15
16 |          | 16
+-----+

```

Figure 7-3.a. Sample Inquiry Record - For Citicorp Card Classes 91 and 93

The sample record in Figure 7-3b shows the customer checking balance inquiry (Current_Bal and Avail_Bal returned), and a credit inquiry (Cash_Advance_Amt only returned) when using an Off-Us Card Class 10-13.

The difference between figures 7-3a and 7-3b is that all but the last four digits of the card number are masked for non-Citicorp cards.

```

11111111112222222223333333333444444444555
<margin>123456789012345678901234567890123456789012
+-----+
1 | DATE           TIME    LOCATION  CARD NUMBER  | 1
2 | 31 OCT 1996    12:17   CH00705   XXXXXXXXXX6705 | 2
3 |                                     | 3
4 |                                     | 4
5 | BALANCES - (#301) | 5
6 | CHECKING         | 6
7 |                 R$25.000,57  ON DEPOSIT | 7
8 |                 R$10.000,00  AVAILABLE NOW | 8
9 |                                     | 9
10 | BALANCE - (#303) | 10
11 | CREDIT          | 11
12 |                 R$5.000,00  CASH ADVANCE AVAILABLE | 12
13 |                                     | 13
14 |                                     | 14
15 |                                     | 15
16 |                                     | 16
+-----+

```

Figure 7-3b. Sample Inquiry Record - For Off-Us Card Classes 10-13

Customer Service Phone Number Request

This section shows the preferred list of what to print for Customer Service Phone Number Request:

PR0016 (phone number request menu choice is only presented when phone_number is available).

The sample record in Figure 7-4 shows the customer from Citibank Singapore requesting **Customer Service** from the Main Menu.

| | | | | | | | | | | | | | | | |
|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|----|
| 1111111111222222222233333333334444444444555 | | | | | | | | | | | | | | | |
| <margin>1234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | | | | |
| 1 | PLEASE CALL YOUR LOCAL CUSTOMER SERVICE. | | | | | | | | | | | | | | 1 |
| 2 | YOU MAY CALL COLLECT USING THIS PHONE NUMBER: | | | | | | | | | | | | | | 2 |
| 3 | CITIBANK SINGAPORE 011-99-5-212-207-2583 | | | | | | | | | | | | | | 3 |
| 4 | Blank | | | | | | | | | | | | | | 4 |
| 5 | | | | | | | | | | | | | | | 5 |
| 6 | | | | | | | | | | | | | | | 6 |
| 7 | | | | | | | | | | | | | | | 7 |
| 8 | | | | | | | | | | | | | | | 8 |
| 9 | | | | | | | | | | | | | | | 9 |
| 10 | | | | | | | | | | | | | | | 10 |
| 11 | | | | | | | | | | | | | | | 11 |
| 12 | | | | | | | | | | | | | | | 12 |
| 13 | | | | | | | | | | | | | | | 13 |
| 14 | | | | | | | | | | | | | | | 14 |
| 15 | | | | | | | | | | | | | | | 15 |
| 16 | | | | | | | | | | | | | | | 16 |

Figure 7-4. Sample Customer Service Phone Number Request

Customer Service Referrals

This section shows the preferred list of what to print for Customer Service Referrals:

PR0014 (If Auth_Resp_Cde is received, and phone_number is available).

PR0015 (If Auth_Resp_Cde is received, and phone_number is not available).

PR0016 (If phone_number is available, and Auth_Resp_Cde was not received (or not applicable)).

No record is queued if phone_number and Auth_Resp_Cde are both not available.

The sample record in Figure 7-5a shows the customer from Citibank Arizona encounters a 95QC7 Auth_Resp_Code from SFS when using an On-Us Card Class 91 or 93. A phone number is available for the BIN number.

```

1111111111222222222233333333334444444444555
<margin>1234567890123456789012345678901234567890123456789012
+-----+
1 |                                     1
2 |      DATE          TIME   LOCATION   CARD NUMBER      2
3 |      31 OCT 1996    12:17   CH00705    1234XXXX896705   3
4 |                                     4
5 |      PLEASE CALL YOUR LOCAL CUSTOMER SERVICE.          5
6 |      YOU MAY CALL COLLECT USING THIS PHONE NUMBER:      6
7 |      CITIBANK ARIZONA 011-99-5-212-207-2583             7
8 |      PLEASE GIVE THEM THE FOLLOWING NUMBER: ICC-95QC7.   8
9 |                                     9
10 |                                     10
11 |                                     11
12 |                                     12
13 |                                     13
14 |                                     14
15 |                                     15
16 |                                     16
+-----+

```

Figure 7-5.a. Sample Customer Service Referrals Record - For Citicorp Card Classes 91 and 93

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The sample record in Figure 7-5b shows the customer from Citibank Arizona encounters a 95QC7 Auth_Resp_Code from SFS when using an Off-Us Card Class 10-13. A phone number is available for his BIN number.

The difference between Figures 7-5a and Figure 7-5b is that all but the last four digits of the card number are masked for non-Citicorp cards.

```

1111111111222222222233333333334444444444555
<margin>123456789012345678901234567890123456789012
+-----+
1 | DATE           TIME   LOCATION   CARD NUMBER   | 1
2 |                 12:17   CH00705   XXXXXXXXXXX6705 | 2
3 |                 31 OCT 1996 | 3
4 |                 | 4
5 | PLEASE CALL YOUR LOCAL CUSTOMER SERVICE. | 5
6 | YOU MAY CALL COLLECT USING THIS PHONE NUMBER: | 6
7 | CITIBANK ARIZONA 011-99-5-212-207-2583 | 7
8 | PLEASE GIVE THEM THE FOLLOWING NUMBER: ICC-95QC7. | 8
9 | | 9
10 | | 10
11 | | 11
12 | | 12
13 | | 13
14 | | 14
15 | | 15
16 | | 16
+-----+

```

Figure 7-5b. Sample Customer Service Referrals Record - For Off-Us Card Classes 10-13

Transaction Journal

This section shows what to print for Transaction Journal when a customer has chosen the **Print** button:

| | | | | | | | | | | | | | | | |
|--|-------------|---|----------|----------------|--|--|--|--|--|--|--|----------|--|--|----|
| 111111111122222222223333333333444444444555 | | | | | | | | | | | | | | | |
| <margin>1234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | 1 |
| 2 | DATE | TIME | LOCATION | CARD NUMBER | | | | | | | | | | | 2 |
| 3 | 31 OCT 1996 | 12:17 | CH00705 | 1234XXXX896705 | | | | | | | | | | | 3 |
| 4 | | | | | | | | | | | | | | | 4 |
| 5 | DATE | DESCRIPTION | | | | | | | | | | AMOUNT | | | 5 |
| 6 | 18/10 | Deposit | | | | | | | | | | 544.24 | | | 6 |
| 7 | 21/10 | Trans From Time Deposit | | | | | | | | | | 100.00 | | | 7 |
| 8 | 25/10 | Payment From Diners Club | | | | | | | | | | 500.00 | | | 8 |
| 9 | 25/10 | Deposit | | | | | | | | | | 544.24 | | | 9 |
| 10 | 25/10 | Check 1343 | | | | | | | | | | 123.45 | | | 10 |
| 11 | 29/10 | Check 1300 | | | | | | | | | | 700.00 | | | 11 |
| 12 | 29/10 | Check 1344 | | | | | | | | | | 96.27 | | | 12 |
| 13 | 30/10 | Interest Paid | | | | | | | | | | 5.67- | | | 13 |
| 14 | | | | | | | | | | | | | | | 14 |
| 15 | | | | | | | | | | | | | | | 15 |
| 16 | | | | | | | | | | | | | | | 16 |
| 111111111122222222223333333333444444444555 | | | | | | | | | | | | | | | |
| <margin>1234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | 1 |
| 2 | DATE | TIME | LOCATION | CARD NUMBER | | | | | | | | | | | 2 |
| 3 | 31 OCT 1996 | 12:17 | CH00705 | 1234XXXX896705 | | | | | | | | | | | 3 |
| 4 | | | | | | | | | | | | | | | 4 |
| 5 | DATE | DESCRIPTION | | | | | | | | | | AMOUNT | | | 5 |
| 6 | 14/10 | Transfer From BankAm Account #55567 | | | | | | | | | | 1,900.00 | | | 6 |
| 7 | 15/10 | Check 1342 | | | | | | | | | | 222.22 | | | 7 |
| 8 | 16/10 | Check 1345 | | | | | | | | | | 5.55 | | | 8 |
| 9 | 17/10 | Payment To Mortgage | | | | | | | | | | 777.77 | | | 9 |
| 10 | | 12345 Main Street Los Angeles, California | | | | | | | | | | | | | 10 |
| 11 | 17/10 | Late Payment Fee | | | | | | | | | | 50.00 | | | 11 |
| 12 | 17/10 | Check 1346 | | | | | | | | | | 25.00 | | | 12 |
| 13 | 17/10 | Check 1347 | | | | | | | | | | 33.33 | | | 13 |
| 14 | | | | | | | | | | | | | | | 14 |
| 15 | | | | | | | | | | | | | | | 15 |
| 16 | | | | | | | | | | | | | | | 16 |

Figure 7-6.a. Sample TJ Records - For Citicorp Card Classes 91 and 93

7.4 Printed Record Balance Text Descriptors

Table 7-1 shows all the balances that can print on a record for each product. The order in which they are listed is the order in which they appear on the screen, *if they are received*. Also shown are the ID and field name for each balance, as they are indicated in the MLI document.

For every product, a maximum of two balances can print. For Time Deposits and Diners Club, the balances to print depend on what the customer has done in the session.

After a withdrawal/cash advance, only the balances indicated under the "WN" heading are shown.

After a Transfer or Payment, the balances indicated under "TN from" are shown for the source account. The balances indicated under "TN to" are shown for the destination account.

Table 7-1. Printed Record Balance Text Descriptors

| CA Category | Product Category | ID | Field Name | Printer Record Text (Zero or Positive/Negative Balance) | BN | WN | TN from | TN to |
|-------------------------|---------------------------------|------|-------------------|---|----|----|---------|-------|
| Checking and Current | Checking/Current | 7106 | Current Balance | ON DEPOSIT / AMOUNT YOU OWE | . | . | . | . |
| | | 7104 | Available Balance | AVAILABLE NOW | . | . | . | . |
| | | | | | | | | |
| Savings and Investments | Savings | 7106 | Current Balance | ON DEPOSIT / AMOUNT YOU OWE | . | . | . | . |
| | | 7104 | Available Balance | AVAILABLE NOW | . | . | . | . |
| | Money Market | 7106 | Current Balance | ON DEPOSIT / AMOUNT YOU OWE | . | . | . | . |
| | | 7104 | Available Balance | AVAILABLE NOW | . | . | . | . |
| | Time Deposits | 7151 | Principal Amount | AMOUNT INVESTED | . | | | |
| | | 7414 | Maturity Date | MATURITY DATE | . | | | |
| | | 7106 | Current Balance | ON DEPOSIT | | . | . | |
| | | 7104 | Available Balance | AVAILABLE NOW | | . | . | |
| | Other [Savings and Investments] | 7106 | Current Balance | ON DEPOSIT | . | . | . | . |
| | | 7104 | Available Balance | AVAILABLE NOW | . | . | . | . |

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Table 7-1. Printer Record Balance Text Descriptors (cont)

| CA Category | Product Category | ID | Field Name | Printer Record Text (Zero or Positive/Negative Balance) | BN | WN | TN from | TN to |
|------------------------|---|------|---------------------------------|--|----|----|---------|-------|
| Loans and Other Credit | Line of Credit (note: also used for Overdraft) | 7112 | Unpaid Balance | AMOUNT YOU OWE / AMOUNT WE OWE YOU | • | • | • | • |
| | | 7108 | Available Credit Amount | AVAILABLE NOW | • | • | • | • |
| | Mortgages | 7114 | Next Payment Amount | NEXT PAYMENT AMOUNT | • | | | |
| | | 7181 | Latest Payment Amount | LAST PAYMENT MADE | • | | | |
| | Other Loans | 7114 | Next Payment Amount | NEXT PAYMENT AMOUNT | • | | | |
| | | 7181 | Latest Payment Amount | LAST PAYMENT MADE | • | | | |
| | | | | | | | | |
| Credit Cards | Visa MasterCard | 7108 | Available Credit Amount | AVAILABLE CREDIT | • | • | • | • |
| | | 7140 | Cash Advance Amount | CASH ADVANCE AVAILABLE | • | • | • | • |
| | Diners Club | 7106 | Current Balance (currency 1) | AMOUNT YOU OWE / AMOUNT WE OWE YOU | | • | • | • |
| | | 7108 | Available Credit Amount | AVAILABLE NOW | • | • | • | • |
| | | 7140 | Cash Advance Amount | CASH ADVANCE AVAILABLE | • | | | |
| | | | | | | | | |

Use the following balance text descriptors for Off-Us generic print records, unless they are already specified as part of the print record's SDEs.

Checking or Savings: Current Balance (7106) "ON DEPOSIT"
 Available Balance (7104) "AVAILABLE NOW"

Credit: Available Credit Amount (7108) "TOTAL CREDIT AVAILABLE"
 Cash Advance Amount (7140) "CASH ADVANCE AVAILABLE"

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Table 7-2. Printer Record Balance Text Descriptors

Withdrawal

| | Source Product | univ_trans_num |
|-----------------------------------|--------------------|----------------|
| Off-Us Card Class 10-13 | | |
| | Checking | 101 |
| | Savings | 102 |
| | Credit | 103 |
| ICC Cards Card Class 91 and 93 | | |
| | Checking/Current | 110 |
| | Savings | 111 |
| | Money Market | 112 |
| | Time Deposit | 113 |
| | Savings/Investment | 114 |
| | Line of Credit | 115 |
| | Visa | 116 |
| | MasterCard | 117 |
| | Diners Club | 118 |
| | Other Loan | 119 |

Transfer

| Source Product Category | Destination Product Category | univ_trans_num |
|-------------------------|------------------------------|----------------|
| Off-Us Card Class 10-13 | | |
| Checking | Savings | 212 |
| Savings | Checking | 221 |
| ICC Cards Card Class 93 | | |
| Checking/Current | Checking/Current | 500 |
| Checking/Current | Savings | 501 |
| Checking/Current | Money Market | 502 |
| Checking/Current | Other Savings/Investment | 503 |
| Checking/Current | Line of Credit | 504 |
| Checking/Current | Mortgages | 505 |
| Checking/Current | Other Loan | 506 |
| Checking/Current | Visa | 507 |
| Checking/Current | MasterCard | 508 |
| Checking/Current | Diners Club | 509 |

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STR 47207-S

Transfer (continued)

| Source Product Category | Destination Product Category | univ_trans_num |
|--------------------------|------------------------------|----------------|
| Savings | Checking/Current | 510 |
| Savings | Savings | 511 |
| Savings | Money Market | 512 |
| Savings | Other Savings/Investment | 513 |
| Savings | Line of Credit | 514 |
| Savings | Mortgages | 515 |
| Savings | Other Loan | 516 |
| Savings | Visa | 517 |
| Savings | MasterCard | 518 |
| Savings | Diners Club | 519 |
| Money Market | Checking/Current | 520 |
| Money Market | Savings | 521 |
| Money Market | Money Market | 522 |
| Money Market | Other Savings/Investment | 523 |
| Money Market | Line of Credit | 524 |
| Money Market | Mortgages | 525 |
| Money Market | Other Loan | 526 |
| Money Market | Visa | 527 |
| Money Market | MasterCard | 528 |
| Money Market | Diners Club | 529 |
| Time Deposit | Checking/Current | 530 |
| Time Deposit | Savings | 531 |
| Time Deposit | Money Market | 532 |
| Time Deposit | Other Savings/Investment | 533 |
| Time Deposit | Line of Credit | 534 |
| Time Deposit | Mortgages | 535 |
| Time Deposit | Other Loan | 536 |
| Time Deposit | Visa | 537 |
| Time Deposit | MasterCard | 538 |
| Time Deposit | Diners Club | 539 |
| Other Savings/Investment | Checking/Current | 540 |
| Other Savings/Investment | Savings | 541 |
| Other Savings/Investment | Money Market | 542 |
| Other Savings/Investment | Other Savings/Investment | 543 |
| Other Savings/Investment | Line of Credit | 544 |
| Other Savings/Investment | Mortgages | 545 |
| Other Savings/Investment | Other Loan | 546 |
| Other Savings/Investment | Visa | 547 |
| Other Savings/Investment | MasterCard | 548 |
| Other Savings/Investment | Diners Club | 549 |
| Line of Credit | Checking/Current | 550 |
| Line of Credit | Savings | 551 |
| Line of Credit | Money Market | 552 |
| Line of Credit | Other Savings/Investment | 553 |
| Line of Credit | Line of Credit | 554 |

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Transfer (continued)

| Source Product Category | Destination Product Category | univ_trans_num |
|-------------------------|------------------------------|----------------|
| Line of Credit | Mortgages | 555 |
| Line of Credit | Other Loan | 556 |
| Line of Credit | Visa | 557 |
| Line of Credit | MasterCard | 558 |
| Line of Credit | Diners Club | 559 |
| Visa | Checking/Current | 560 |
| Visa | Savings | 561 |
| Visa | Money Market | 562 |
| Visa | Other Savings/Investment | 563 |
| Visa | Line of Credit | 564 |
| Visa | Mortgages | 565 |
| Visa | Other Loan | 566 |
| Visa | Visa | 567 |
| Visa | MasterCard | 568 |
| Visa | Diners Club | 569 |
| MasterCard | Checking/Current | 570 |
| MasterCard | Savings | 571 |
| MasterCard | Money Market | 572 |
| MasterCard | Other Savings/Investment | 573 |
| MasterCard | Line of Credit | 574 |
| MasterCard | Mortgages | 575 |
| MasterCard | Other Loan | 576 |
| MasterCard | Visa | 577 |
| MasterCard | MasterCard | 578 |
| MasterCard | Diners Club | 579 |
| Diners Club | Checking/Current | 580 |
| Diners Club | Savings | 581 |
| Diners Club | Money Market | 582 |
| Diners Club | Other Savings/Investment | 583 |
| Diners Club | Line of Credit | 584 |
| Diners Club | Mortgages | 585 |
| Diners Club | Other Loan | 586 |
| Diners Club | Visa | 587 |
| Diners Club | MasterCard | 588 |
| Diners Club | Diners Club | 589 |
| Other Loan | Checking/Current | 590 |
| Other Loan | Savings | 591 |
| Other Loan | Money Market | 592 |
| Other Loan | Other Savings/Investment | 593 |
| Other Loan | Line of Credit | 594 |
| Other Loan | Mortgages | 595 |
| Other Loan | Other Loan | 596 |
| Other Loan | Visa | 597 |
| Other Loan | MasterCard | 598 |
| Other Loan | Diners Club | 599 |

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Balance Inquiry

| | Product | univ_trans_num |
|-----------------------------------|--------------------|----------------|
| Off-Us Card Class 10-13 | | |
| | Checking | 301 |
| | Savings | 302 |
| | Credit | 303 |
| ICC Cards Card Class 91 and 93 | | |
| | Checking/Current | 310 |
| | Savings | 311 |
| | Money Market | 312 |
| | Time Deposit | 313 |
| | Savings/Investment | 314 |
| | Line of Credit | 315 |
| | Visa | 316 |
| | MasterCard | 317 |
| | Diners Club | 318 |
| | Other Loan | 319 |
| | Mortgages | 320 |

STR 46821-S

STR 47207-S

7.5 Formats

Following are the specific printed record formats in Global ICC.

Message PR0001. Standard Header

```

1111111111222222222233333333334444444444555
<margin>123456789012345678901234567890123456789012
+-----+
1|      Z9 XXX 9999   99:99  XX99999  XXXXXXXXXXXXXXXXXXXX | 1
2| Blank Line                                         | 2
3|                                                     | 3
4|                                                     | 4
5|                                                     | 5
6|                                                     | 6
7|                                                     | 7
8|                                                     | 8
9|                                                     | 9
10|                                                    | 10
11|                                                    | 11
12|                                                    | 12
13|                                                    | 13
14|                                                    | 14
15|                                                    | 15
16|                                                    | 16
+-----+

```

Variables: Line 1: day, month, year, time, business, ciu_terminal_id,
card_number

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|---|
| day | O | Z9 | V | Print the current day of the month. |
| month | O | XXX | V | Print the current month based on Table C-2. |
| year | O | 9999 | V | Print the current year. |
| time | O | 99:99 | V | Print the current time. Print in 24-hour clock format (HH:MM). |
| business | O | XX | V | Print a two-letter descriptor based on the acquiring business (the business which owns this CAT). |

The value of the two character code for each acquiring business is documented in the Global ICC Appendix A for each business as the "Printed Record Business Identifier".

STR 46822-S

Standard Data Elements: Message PR0001 (cont)

| Data Name | I/O | Format | L-R-V | Comments |
|-----------|-----|--------|-------|----------|
|-----------|-----|--------|-------|----------|

| | | | | |
|-----------------|---|------|---|--|
| ciu_terminal_id | O | 9(5) | V | Print the ciu_terminal_id from this CAT's configuration. |
|-----------------|---|------|---|--|

| | | | | |
|-------------|---|-------|---|--|
| card_number | O | X(19) | V | If the Card Class Code is ICC 91 or 93, then print the first four and the last six characters of the card number, and substitute all other characters with Xs, as in the following examples: |
|-------------|---|-------|---|--|

For CIN 1234567891234, print:
1234XXX891234

For CIN 123456789123456, print:
1234XXXXX123456

Else, if the Card Class Code is Off-Us 10 -
Off-Us 13, then print the last four characters of
the card number, and substitute all other
characters with Xs, as in the following
examples:

For CIN 1234567891234, print:
XXXXXXXXXX1234

For CIN 123456789123456, print:
XXXXXXXXXXXX3456

Message PR0002. Withdrawal (Equivalent Transaction Amount Received) - Off-Us

```

1111111111222222222233333333334444444444555
<margin>123456789012345678901234567890123456789012
+-----+
1 | GOT XXXXXXXXXXXXXXXX CASH - (#999) | 1
2 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX WAS DEDUCTED FROM XXXXXXXX | 2
3 | Blank Line | 3
4 | | 4
5 | | 5
6 | | 6
7 | | 7
8 | | 8
9 | | 9
10 | | 10
11 | | 11
12 | | 12
13 | | 13
14 | | 14
15 | | 15
16 | | 16
+-----+

```

Variables: Line 1: withd_amt, univ_trans_num

Line 2: Eqv_Txn_Amt, offus_acct_desc

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|----------------|-----|------------|---------|---|
| withd_amt | O | X(15) / W | V | Display the amount of the withdrawal. Format the amount based on the currency code of the bills dispensed. |
| univ_trans_num | O | 999 | V | Print the appropriate number from Table 7-2 depending upon the transaction that was performed. |
| Eqv_Txn_Amt | O | X(25) / \$ | V | Display the Eqv_Txn_Amt from FC4201. Format Eqv_Txn_Amt based on Equivalent Transaction Currency in FC4201. |

STR 46814-S

Standard Data Elements: Message PR0002 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|----------|
|-----------|-----|--------|---------|----------|

| | | | | |
|-----------------|---|------|---|---|
| offus_acct_desc | O | X(8) | V | Display one of the following based on the withdrawal account type: 001 - "CHECKING" 004 - "SAVINGS" 014 - "CREDIT" |
|-----------------|---|------|---|---|

Screen Transition: See Figure 3-3.

STR 46814-S
STR 48212-S

Message PR0003. Withdrawal (Equivalent Transaction Amount Not Received) - Off-U.S.

```

111111111122222222223333333333444444444555
<margin>123456789012345678901234567890123456789012
+-----+
1 |      GOT XXXXXXXXXXXXXXXX CASH FROM XXXXXXXX - (#999)      | 1
2 | Blank Line                                                  | 2
3 |                                                              | 3
4 |                                                              | 4
5 |                                                              | 5
6 |                                                              | 6
7 |                                                              | 7
8 |                                                              | 8
9 |                                                              | 9
10 |                                                             | 10
11 |                                                             | 11
12 |                                                             | 12
13 |                                                             | 13
14 |                                                             | 14
15 |                                                             | 15
16 |                                                             | 16
+-----+

```

Variables: Line 1: withd_amt, offus_acct_desc, univ_trans_numb

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------------|-----|-----------|---------|---|
| withd_amt | O | X(15) / W | V | Display the amount of the withdrawal. Format the amount based on the currency code of the bills dispensed. |
| offus_acct_desc | O | X(8) | V | Display one of the following based on the withdrawal account type: 001 - "CHECKING" 004 - "SAVINGS" 014 - "CREDIT" |
| univ_trans_numb | O | 999 | V | Print the appropriate number from Table 7-2 depending upon the transaction that was performed. |

Screen Transition: See Figure 3-3.

STR 46814-S
STR 48212-S

Message PR0004. Two Checking/Savings Balances (After A Transaction) - Off-Us

```

1111111111222222222233333333334444444444555
<margin>123456789012345678901234567890123456789012
+-----+
1 |      NEW XXXXXXXX BALANCES      | 1
2 |      XXXXXXXXXXXXXXXXXXXXXXXX ON DEPOSIT      | 2
3 |      XXXXXXXXXXXXXXXXXXXXXXXX AVAILABLE NOW    | 3
4 | Blank Line                                | 4
5 |                                           | 5
6 |                                           | 6
7 |                                           | 7
8 |                                           | 8
9 |                                           | 9
10 |                                          | 10
11 |                                          | 11
12 |                                          | 12
13 |                                          | 13
14 |                                          | 14
15 |                                          | 15
16 |                                          | 16
+-----+

```

Variables: Line 1: offus_acct_desc1

Line 2: Current_Bal

Line 3: Avail_Bal

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------------|-----|------------|---------|--|
| offus_acct_desc1 | O | X(8) | V | Display one of the following based on the transaction's account type: 001 - "CHECKING" 004 - "SAVINGS" |
| Current_Bal | O | X(25) / \$ | V | Display Current_Bal from the Balance_Info structure in FC4201 (for withdrawals) or FC4402 (for transfers). Format Current_Bal based on Currency_Cde from the Balance_Info structure in FC4201 (for withdrawals) or FC4402 (for transfers). |

STR 46814-S

STR 48212-S

Standard Data Elements: Message PR0004 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|------------|---------|--|
| Avail_Bal | O | X(25) / \$ | V | Display Avail_Bal from the Balance_Info structure in FC4201 (for withdrawals) or FC4402 (for transfers). Format Avail_Bal based on Currency_Cde from the Balance_Info structure in FC4201 (for withdrawals) or FC4402 (for transfers). |

Screen Transition: See Figure 3-3, Figure 5-2.

Message PR0005. One Checking/Savings Balance (After A Transaction) - Off-U's

```

1111111111222222222233333333334444444444555
<margin>123456789012345678901234567890123456789012
+-----+
1|      NEW XXXXXXXX BALANCE      | 1
2|      XXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXX | 2
3| Blank Line                     | 3
4|                                | 4
5|                                | 5
6|                                | 6
7|                                | 7
8|                                | 8
9|                                | 9
10|                               | 10
11|                               | 11
12|                               | 12
13|                               | 13
14|                               | 14
15|                               | 15
16|                               | 16
+-----+

```

Variables: Line 1: offus_acct_desc

Line 2: offus_balance, offus_balance_txt

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------------|-----|------------|---------|--|
| offus_acct_desc | O | X(8) | V | Display one of the following based on the transaction's account type: 001 - "CHECKING" 004 - "SAVINGS" |
| offus_balance | O | X(25) / \$ | V | Display either Current_Bal from the Balance_Info structure in FC4201 (for withdrawals) or FC4402 (for transfers) or Avail_Bal from the Balance_Info structure in FC4201 (for withdrawals) or FC4402 (for transfers). Format the balance based on Currency_Cde from the Balance_Info structure in FC4201 (for withdrawals) or FC4402 (for transfers). |

STR 46814-S
STR 48212-S

Standard Data Elements: Message PR0005 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------------|-----|--------|---------|---|
| offus_balance_txt | O | X(13) | L | Print the balance for the valid balance returned. The text to display can be found in Table 7-1. |

Screen Transition: See Figure 3-3, Figure 5-2.

STR 46814-S
STR 48205-S

Message PR0006. Two Credit Balances (After A Transaction) - Off-Us

```

11111111112222222223333333333444444444555
<margin>123456789012345678901234567890123456789012
+-----+
1      NEW CREDIT BALANCES                               1
2      XXXXXXXXXXXXXXXXXXXXXXXXXXXX TOTAL CREDIT AVAILABLE 2
3      XXXXXXXXXXXXXXXXXXXXXXXXXXXX CASH ADVANCE AVAILABLE 3
4 Blank Line                                              4
5                                                         5
6                                                         6
7                                                         7
8                                                         8
9                                                         9
10                                            10
11                                            11
12                                            12
13                                            13
14                                            14
15                                            15
16                                            16
+-----+

```

Variables: Line 2: Avail_Credit_Amt
Line 3: Cash_Advance_Amt

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------------|-----|------------|---------|--|
| Avail_Credit_Amt | O | X(25) / \$ | V | Display Avail_Credit_Amt from the Balance_Info structure in FC4201. Format Avail_Credit_Amt based on Currency_Cde from the Balance_Info structure in FC4201. |
| Cash_Advance_Amt | O | X(25) / \$ | V | Display Cash_Advance_Amt from the Balance_Info structure in FC4201. Format Cash_Advance_Amt based on Currency_Cde from the Balance_Info structure in FC4201. |

Screen Transition: See Figure 3-3.

STR 46814-S

Message PR0007. One Credit Balance (After A Transaction) - Off-Us

```

111111111122222222223333333333444444444555
<margin>123456789012345678901234567890123456789012
+-----+
1|      NEW CREDIT BALANCE      |1
2|      XXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXX |2
3| Blank Line                    |3
4|                               |4
5|                               |5
6|                               |6
7|                               |7
8|                               |8
9|                               |9
10|                              |10
11|                              |11
12|                              |12
13|                              |13
14|                              |14
15|                              |15
16|                              |16
+-----+

```

Variables: Line 2: offus_balance, offus_balance_txt

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------------|-----|------------|---------|--|
| offus_balance | O | X(25) / \$ | V | Display either Avail_Credit_Amt or Cash_Advance_Amt from the Balance_Info structure in FC4201. Format the balance based on Currency_Cde from the Balance_Info structure in FC4201. |
| offus_balance_txt | O | X(22) | L | Print the balance for the valid balance returned. The text to display can be found in Table 7-1. |

Screen Transition: See Figure 3-3.

STR 46814-S

STR 48205-S

Message PR0008. Transfer (Equivalent Transaction Amount Received) - Off-Us

```

1111111111222222222233333333334444444444555
<margin>123456789012345678901234567890123456789012
+-----+
1 | TRANSFER XXXXXXXXXXXXXXXXXXXXXXXXXX - (#999) | 1
2 | XXXXXXXXXXXXXXXXXXXXXXXXXX WAS DEDUCTED FROM XXXXXXXX | 2
3 | XXXXXXXXXXXXXXXXXXXXXXXXXX WAS CREDITED TO XXXXXXXX | 3
4 | Blank Line | 4
5 | | 5
6 | | 6
7 | | 7
8 | | 8
9 | | 9
10 | | 10
11 | | 11
12 | | 12
13 | | 13
14 | | 14
15 | | 15
16 | | 16
+-----+

```

Variables: Line 1: tfr_amt, univ_trans_numb

Line 2: Src_Eqv_Txn_Amt, offus_srceacct_desc

Line 3: Des_Eqv_Txn_Amt, offus_destacct_desc

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------------|-----|------------|---------|--|
| tfr_amt | O | X(25) / \$ | V | Display the amount of the transfer. Format the amount based on the default transfer currency code. |
| univ_trans_numb | O | 999 | V | Print the appropriate number from Table 7-2 depending upon the transaction that was performed. |
| Srce_Eqv_Txn_Amt | O | X(25) / \$ | V | Display Srce_Eqv_Txn_Amt, the amount of the transfer in the currency of the source account, from FC4402. Format Srce_Eqv_Txn_Amt based on Src_Crncy_Cde in FC4402. |

Screen Transition: See Figure 5-2.

STR 46814-S

Standard Data Elements (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|---------------------|-----|------------|---------|--|
| offus_srceacct_desc | O | X(8) | V | Display one of the following based on the transfer source: 001 - "CHECKING" 004 - "SAVINGS" |
| Dest_Eqv_Txn_Amt | O | X(25) / \$ | V | Display Dest_Eqv_Txn_Amt, the amount of the transfer in the currency of the destination account, from FC4402. Format Dest_Eqv_Txn_Amt based on Dest_Crncy_Cde in FC4402. |
| offus_destacct_desc | O | X(8) | V | Display one of the following based on the transfer destination: 001 - "CHECKING" 004 - "SAVINGS" |

STR 46814-S
STR 48212-S

Message PR0009. Transfer (No Equivalent Transaction Amounts Received) - Off-Us

```

111111111122222222223333333333444444444555
<margin>123456789012345678901234567890123456789012
+-----+
1 |      TRANSFER XXXXXXXXXXXXXXXXXXXXXXXX FROM XXXXXXXX | 1
2 |      TO XXXXXXXX - (#999) | 2
3 | Blank Line | 3
4 | | 4
5 | | 5
6 | | 6
7 | | 7
8 | | 8
9 | | 9
10 | | 10
11 | | 11
12 | | 12
13 | | 13
14 | | 14
15 | | 15
16 | | 16
+-----+

```

Variables: Line 1: tfr_amt, offus_srceacct_desc

Line 2: offus_destacct_desc, univ_trans_num

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|---------------------|-----|------------|---------|--|
| tfr_amt | O | X(25) / \$ | V | Display the amount of the transfer. Format the amount based on the default transfer currency code. |
| offus_srceacct_desc | O | X(8) | V | Display one of the following based on the transfer source: 001 - "CHECKING" 004 - "SAVINGS" |

STR 46814-S
STR 48212-S

Standard Data Elements: Message PR0009 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|---------------------|-----|--------|---------|--|
| offus_destacct_desc | O | X(8) | V | Display one of the following based on the transfer destination: 001 - "CHECKING" 004 - "SAVINGS" |
| univ_trans_num | O | 999 | V | Print the appropriate number from Table 7-2 depending upon the transaction that was performed. |

Screen Transition: See Figure 5-2.

STR 46814-S

STR 48212-S

Message PR0014. Call Customer Service (With Phone Number)

```

1111111111222222222233333333334444444444555
<margin>123456789012345678901234567890123456789012
+-----+
1 | PLEASE CALL YOUR LOCAL CUSTOMER SERVICE. | 1
2 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 2
3 | XXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXX | 3
4 | PLEASE GIVE THEM THE FOLLOWING NUMBER: ICC-XXXXX. | 4
5 | | 5
6 | | 6
7 | | 7
8 | | 8
9 | | 9
10 | | 10
11 | | 11
12 | | 12
13 | | 13
14 | | 14
15 | | 15
16 | | 16
+-----+

```

Variables: Line 2: phone_txt1/phone_txt2

Line 3: cs_name/phone_number

Line 4: Auth_Resp_Cde

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|--------|---------|--|
| phone_txt1 | O | X(45) | L | <p>If the phone number can be called collect, then print "YOU MAY CALL COLLECT USING THIS PHONE NUMBER:".</p> <p>If the phone number cannot be called collect, then print "YOU MAY CALL THEM AT THIS PHONE NUMBER:".</p> |
| phone_txt2 | O | X(6) | L | <p>If the phone number can be called collect, then leave blank.</p> <p>If the phone number cannot be called collect, then leave blank.</p> |

Standard Data Elements: Message PR0014 (cont)

| Data Name | I/O | Format | L-R-V | Comments |
|---------------|-----|--------|-------|---|
| cs_name | O | X(25) | V | Print the name of the customer service unit associated with this card prefix. If no name is defined, leave blank. |
| phone_number | O | X(25) | V | Print the customer service phone number associated with this BIN. |
| Auth_Resp_Cde | O | X(5) | V | Print the Auth_Resp_Cde returned from the FEP for this transaction. |

Screen Transition: See Figure 6-5.

Message PR0015. Call Customer Service (Without Phone Number)

11111111112222222222333333333334444444444555
 <margin>1234567890123456789012345678901234567890123456789012

| | | |
|----|---|----|
| 1 | PLEASE CALL XXXXXXXXXXXXXXXXXXXXXXXX CUSTOMER | 1 |
| 2 | SERVICE AND GIVE THIS NUMBER: ICC-XXXXX. | 2 |
| 3 | Blank Line | 3 |
| 4 | | 4 |
| 5 | | 5 |
| 6 | | 6 |
| 7 | | 7 |
| 8 | | 8 |
| 9 | | 9 |
| 10 | | 10 |
| 11 | | 11 |
| 12 | | 12 |
| 13 | | 13 |
| 14 | | 14 |
| 15 | | 15 |
| 16 | | 16 |

Variables: Line 1: cs_name/local_txt

Line 2: Auth_Resp_Cde

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|---------------|-----|--------|---------|--|
| cs_name | O | X(25) | V | Print the name of the customer service unit associated with this card prefix. If no name is defined, then leave blank. |
| local_txt | O | X(10) | V | If no customer service name is defined for this card prefix, then print "YOUR LOCAL". Else, leave blank. |
| Auth_Resp_Cde | O | X(5) | V | Print the Auth_Resp_Cde returned from the FEP for this transaction. |

Screen Transition: See Figure 6-5.

Comments: The variable local_txt is placed directly on top of cs_name. In languages other than English, the two variables may not be mutually exclusive, which may impact the method of implementation.

STR 47207-S

Message PR0016. Call Customer Service (Without Error Code)

```

1111111111222222222233333333334444444444555
<margin>123456789012345678901234567890123456789012
+-----+
1 | PLEASE CALL YOUR LOCAL CUSTOMER SERVICE. | 1
2 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 2
3 | XXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXX | 3
4 | Blank | 4
5 | | 5
6 | | 6
7 | | 7
8 | | 8
9 | | 9
10 | | 10
11 | | 11
12 | | 12
13 | | 13
14 | | 14
15 | | 15
16 | | 16
+-----+

```

Variables: Line 2: phone_txt1/phone_txt2

Line 3: cs_name/phone_number

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|--------|---------|--|
| phone_txt1 | O | X(45) | L | <p>If the phone number can be called collect, then print "YOU MAY CALL COLLECT USING THIS PHONE NUMBER:".</p> <p>If the phone number cannot be called collect, then print "YOU MAY CALL THEM AT THIS PHONE NUMBER:".</p> |
| phone_txt2 | O | X(6) | L | <p>If the phone number can be called collect, then leave blank.</p> <p>If the phone number cannot be called collect, then leave blank.</p> |

Standard Data Elements: Message PR0016 (cont)

| Data Name | I/O | Format | L-R-V | Comments |
|--------------|-----|--------|-------|---|
| cs_name | O | X(25) | V | Print the name of the customer service unit associated with this card prefix. If no name is defined, leave blank. |
| phone_number | O | X(25) | V | Print the customer service phone number associated with this BIN. |

Screen Transition: See Figure 2-3.

Message PR0017. PC CAT Withdrawal Slip - Staff Copy - Off-U's

```

111111111122222222223333333333444444444455555555556
12345678901234567890123456789012345678901234567890
+-----+
1 |                PC CAT WITHDRAWAL RECORD                | 1
2 |                NOT NEGOTIABLE                          | 2
3 |                                                         | 3
4 | DATE            TIME            LOCATION            CITICARD NUMBER | 4
5 | Z9 XXX 9999    99:99            XX99999            XXXXXXXXXXXXXXXXXXXX | 5
6 |                                                         | 6
7 | WITHDRAWAL AMOUNT: XXXXXXXXXXXXXXXXXXXX                | 7
8 |                                                         | 8
9 | AMOUNT DEBITED:   XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX    | 9
10 |                                                         | 10
11 | FROM:            XXXXXXXX                               | 11
12 |                                                         | 12
13 | CUSTOMER'S BANK: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX    | 13
14 |                                                         | 14
15 | MESSAGE SEQUENCE: XXXX                                | 15
16 |                                                         | 16
17 | AUTHORIZED SIGNATURE: _____                      | 17
18 |                                                         | 18
19 | FOR BANK USE ONLY                                     | 18
+-----+

```

Variables: Line 5: month/day/year/txn_time/txn_bus/txn_term_id/
txn_card_no

Line 7: txn_amt_w

Line 9: Equiv_Txn_Amt

Line 11: pacct_desc

Line 13: cs_name

Line 15: Msg_Seq_No

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|---|
| month | O | XXX | V | Print the current month based on Table C-2. |
| day | O | Z9 | V | Display the current day of the month. |

STR 46814-S

STR 46822-S

STR 46824-S

Standard Data Elements: Message PR0017 (cont)

| Data Name | I/O | Format | L-R-V | Comments |
|---------------|-----|----------|-------|--|
| year | O | 9999 | V | Display the current year. |
| txn_time | O | X(5) | L | The start of session time in HH:MM format (military time). |
| txn_bus | O | XX | L | A business identifier based on the acquiring business. For the PC CAT pilot, display "UK" for United Kingdom. |
| txn_term_id | O | 9(5) | L | The CAT terminal number from the CAT's configuration. |
| txn_card_no | O | X(19) | L | The customer ID number. |
| txn_amt_w | O | X(15)/W | L | Display Transaction Amount with currency descriptor based on the Transaction Currency Code of the withdrawal currency. |
| Equiv_Txn_Amt | O | X(25)/\$ | L | Display Equivalent Transaction Amount, from Message 4201, with transaction descriptor based on Equivalent Transaction Currency Code from Message 4201. |
| pacct_desc | O | X(8) | L | Display one of the following based on the withdrawal account type: 001 - "CHECKING" 004 - "SAVINGS" 014- "CREDIT" |
| cs_name | O | X(22) | L | The Customer Service Name from Message 4117. |
| Msg_Seq_No | O | X(4) | L | Display Message Sequence Number from Message 4201. |

STR 46814-S

STR 46822-S

STR 48212-S

Message PR0018. PC CAT Withdrawal Slip - Teller Copy - Off-Us

```

111111111122222222223333333333444444444455555555556
12345678901234567890123456789012345678901234567890
+-----+
1 |                               WITHDRAWAL TICKET                               | 1
2 |                                                                           | 2
3 |                                                                           | 3
4 | DATE           TIME           LOCATION           CITICARD NUMBER           | 4
5 | Z9 XXX 9999    99:99          XX99999          XXXXXXXXXXXXXXXXXXXX        | 5
6 |                                                                           | 6
7 | WITHDRAWAL AMOUNT: XXXXXXXXXXXXXXXXXXXX                                     | 7
8 |                                                                           | 8
9 | AMOUNT DEBITED:   XXXXXXXXXXXXXXXXXXXXXXXXXXXX                             | 9
10 |                                                                           | 10
11 | FROM:              XXXXXXXX                                                | 11
12 |                                                                           | 12
13 | CUSTOMER'S BANK:   XXXXXXXXXXXXXXXXXXXXXXXXXXXX                             | 13
14 |                                                                           | 14
15 | MESSAGE SEQUENCE:  XXXX                                                    | 15
16 |                                                                           | 16
17 | AUTHORIZED SIGNATURE: _____                                           | 17
18 |                                                                           | 18
19 +-----+

```

Variables: Line 5: month/day/year/txn_time/txn_bus/txn_term_id/
txn_card_no

Line 7: txn_amt_w

Line 9: Equiv_Txn_Amt

Line 11: pacct_desc

Line 13: cs_name

Line 15: Msg_Seq_No

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|---|
| month | O | XXX | V | Print the current month based on Table C-2. |
| day | O | Z9 | V | Display the current day of the month. |

STR 46814-S

STR 46822-S

STR 46824-S

Standard Data Elements: Message PR0018 (cont)

| Data Name | I/O | Format | L-R-V | Comments |
|---------------|-----|----------|-------|--|
| year | O | 9999 | V | Display the current year. |
| txn_time | O | X(5) | L | The start of session time in HH:MM format (military time). |
| txn_bus | O | XX | L | A business identifier based on the acquiring business. For the PC CAT pilot, display "UK" for United Kingdom. |
| txn_term_id | O | 9(5) | L | The CAT terminal number from the CAT's configuration. |
| txn_card_no | O | X(19) | L | The customer ID number. |
| txn_amt_w | O | X(15)/W | L | Display Transaction Amount with currency descriptor based on the Transaction Currency Code of the withdrawal currency. |
| Equiv_Txn_Amt | O | X(25)/\$ | L | Display Equivalent Transaction Amount, from Message 4201, with transaction descriptor based on Equivalent Transaction Currency Code from Message 4201. |
| pacct_desc | O | X(8) | L | Display one of the following based on the withdrawal account type: 001 - "CHECKING" 004 - "SAVINGS" 014 - "CREDIT" |
| cs_name | O | X(22) | L | The Customer Service Name from Message 4117. |
| Msg_Seq_No | O | X(4) | L | Display Message Sequence Number from Message 4201. |

STR 46814-S

STR 46822-S

STR 48212-S

Message PR0020. Standard Header With Captions

```

1111111111222222222233333333334444444444555
<margin>123456789012345678901234567890123456789012
+-----+
1      DATE      TIME  LOCATION  CARD NUMBER  1
2      Z9 XXX 9999  99:99  XX99999  XXXXXXXXXXXXXXXXXXXX 2
3 Blank Line  3
4  4
5  5
6  6
7  7
8  8
9  9
10 10
11 11
12 12
13 13
14 14
15 15
16 16
+-----+

```

Variables: Line 2: day, month, year, time, business, ciu_terminal_id,
card_number

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|---|
| day | O | Z9 | V | Print the current day of the month. |
| month | O | XXX | V | Print the current month based on table C-2. |
| year | O | 9999 | V | Print the current year. |
| time | O | 99:99 | V | Print the current time. Print in 24-hour clock format (HH:MM). |
| business | O | XX | V | Print a two-letter descriptor based on the acquiring business (the business who owns this CAT). |
| | | | | The value of the two character code for each acquiring business is documented in the Global ICC appendix for each business as the "Printed Record Business Identifier". |

STR 46822-S

Standard Data Elements: Message PR0020 (cont)

| Data Name | I/O | Format | L-R-V | Comments |
|-----------|-----|--------|-------|----------|
|-----------|-----|--------|-------|----------|

| | | | | |
|-----------------|---|-------|---|--|
| ciu_terminal_id | O | 9(5) | V | Print the ciu_terminal_id from this CAT's configuration. |
| card_number | O | X(19) | V | If the Card Class Code is ICC 91 or 93, then print the first four and the last six characters of the card number, and substitute all other characters with Xs, as in the following examples: |

For CIN 1234567891234, print:
1234XXX891234

For CIN 123456789123456, print:
1234XXXXX123456

Else, if the Card Class Code is Off-Us 10 - Off-Us 13, then print the last four characters of the card number, and substitute all other characters with Xs, as in the following examples:

For CIN 1234567891234, print:
XXXXXXXXXX1234

For CIN 123456789123456, print:
XXXXXXXXXXXX3456

Message PR0021. Transaction Journal Print Record

| | | | | | | | | | | | | | | | |
|--|-------|--|--------|--|--|--|--|--|--|--|--|--|--|--|----|
| 111111111122222222223333333333444444444555 | | | | | | | | | | | | | | | |
| <margin>1234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | | | | |
| 1 | DATE | DESCRIPTION | AMOUNT | | | | | | | | | | | | 1 |
| 2 | XXXXX | XX | | | | | | | | | | | | | 2 |
| 3 | XXXXX | XX | | | | | | | | | | | | | 3 |
| 4 | XXXXX | XX | | | | | | | | | | | | | 4 |
| 5 | XXXXX | XX | | | | | | | | | | | | | 5 |
| 6 | XXXXX | XX | | | | | | | | | | | | | 6 |
| 7 | XXXXX | XX | | | | | | | | | | | | | 7 |
| 8 | XXXXX | XX | | | | | | | | | | | | | 8 |
| 9 | XXXXX | XX | | | | | | | | | | | | | 9 |
| 10 | | | | | | | | | | | | | | | 10 |
| 11 | | | | | | | | | | | | | | | 11 |
| 12 | | | | | | | | | | | | | | | 12 |
| 13 | | | | | | | | | | | | | | | 13 |
| 14 | | | | | | | | | | | | | | | 14 |
| 15 | | | | | | | | | | | | | | | 15 |
| 16 | | | | | | | | | | | | | | | 16 |

Variables: Line 1-8: p_post_date/p_tx_typ_txt/p_txn_amt

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|--------------|-----|-----------|---------|---|
| p_post_date | O | X(5) | L | Print a pre-formatted date, if received. Else, format and print the date received based on the session language as described in Appendix C. Note: for all pictographic languages (Chinese, Japanese and Korean), the date are formatted and printed in English. |
| p_tx_typ_txt | O | X(45) | L | Print transaction descriptor as described in Procedure PRC BN5861 in Chapter 4 of this document. Note: for pictographic languages, all transaction descriptors are printed in English. (AsiaCAT will print English dates in pictographic languages in all uppercase). |
| p_txn_amt | O | X(19) / Z | R | Print transaction amount as described in Procedure PRC BN5861 in Chapter 4 of this document. |

STR 46825-S

Message PR0022. Withdrawal (Equivalent Transaction Amount Received)

```

111111111122222222223333333333444444444555
<margin>123456789012345678901234567890123456789012
+-----+
1|      GOT XXXXXXXXXXXXXXXX CASH - (#999)      | 1
2|      XXXXXXXXXXXXXXXXXXXXXXXXXXXX WAS DEDUCTED | 2
3|      FROM XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXX | 3
4| Blank Line                                     | 4
5|                                                 | 5
6|                                                 | 6
7|                                                 | 7
8|                                                 | 8
9|                                                 | 9
10|                                                | 10
11|                                                | 11
12|                                                | 12
13|                                                | 13
14|                                                | 14
15|                                                | 15
16|                                                | 16
+-----+

```

Variables: Line 1: withd_amt, univ_trans_numb

Line 2: Eqv_Txn_Amt

Line 3: pacct_desc1, pacct_num1

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------------|-----|------------|---------|---|
| withd_amt | O | X(15) / W | V | Print the amount of the withdrawal. Format the amount based on the currency code of the bills dispensed. |
| univ_trans_numb | O | 999 | V | Print the appropriate number from Table 7-2 depending upon the transaction that was performed. |
| Eqv_Txn_Amt | O | X(25) / \$ | V | Print the Eqv_Txn_Amt from FC4201. Format Eqv_Txn_Amt based on Equivalent Transaction Currency in FC4201. |

STR 46826-S

Standard Data Elements: Message PR0022 (cont)

| Data Name | I/O | Format | L-R-V | Comments |
|-------------|-----|--------|-------|--|
| pacct_desc1 | O | X(18) | V | <p>If the Card Class Code is ICC 91 or 93, then print one of the following based on the optional Product Category Code element returned in the profile:</p> <ul style="list-style-type: none"> 1 - "CHECKING/CURRENT" 2 - "SAVINGS" 3 - "MONEY MARKET" 4 - "TIME DEPOSIT" 5 - "SAVINGS/INVESTMENT" 6 - "LINE OF CREDIT" 8 - "LOAN" 9 - "VISA" 10 - "MASTERCARD" 11 - "DINERS CLUB" <p>For Card Class 93, if no profile has been received, then use the CAT Card Type Code to determine which to print:</p> <ul style="list-style-type: none"> 070-072 - "VISA" 073-074 - "MASTERCARD" 075 - "DINERS CLUB" |
| pacct_num1 | O | X(20) | V | <p>Print 16 Xs and the last four digits of the Account Number from Message 4201.</p> |

Screen Transition: See Figure 3-3

STR 46826-S

Message PR0023. Withdrawal (Equivalent Transaction Amount Not Received)

```

1111111111222222222233333333334444444444555
<margin>123456789012345678901234567890123456789012
+-----+
1|      GOT XXXXXXXXXXXXXXX CASH FROM      | 1
2|      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX - (#999) | 2
3| Blank Line                                | 3
4|                                           | 4
5|                                           | 5
6|                                           | 6
7|                                           | 7
8|                                           | 8
9|                                           | 9
10|                                          | 10
11|                                          | 11
12|                                          | 12
13|                                          | 13
14|                                          | 14
15|                                          | 15
16|                                          | 16
+-----+

```

Variables: Line 1: wthd_amt

Line 2: pacct_desc1, pacct_num1, univ_trans_numb

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|---------|---------|--|
| wthd_amt | O | X(15)/W | V | Print the amount of the withdrawal. Format the amount based on the currency code of the bills dispensed. |

STR 46826-S

Standard Data Elements: Message PR0023 (cont)

| Data Name | I/O | Format | L-R-V | Comments |
|----------------|-----|--------|-------|--|
| pacct_desc1 | O | X(18) | V | <p>If the Card Class Code is ICC 91 or 93, then print one of the following based on the optional Product Category Code element returned in the profile:</p> <ul style="list-style-type: none"> 1 - "CHECKING/CURRENT" 2 - "SAVINGS" 3 - "MONEY MARKET" 4 - "TIME DEPOSIT" 5 - "SAVINGS/INVESTMENT" 6 - "LINE OF CREDIT" 8 - "LOAN" 9 - "VISA" 10 - "MASTERCARD" 11 - "DINERS CLUB" <p>For Card Class 93, if no profile has been received, then use the CAT Card Type Code to determine which to print:</p> <ul style="list-style-type: none"> 070-072 - "VISA" 073-074 - "MASTERCARD" 075 - "DINERS CLUB" |
| pacct_num1 | O | X(20) | V | Print 16 Xs and the last four digits of the Account Number from Message 4201. |
| univ_trans_num | O | 999 | V | Print the appropriate number from Table 7-2 depending upon the transaction that was performed. |

Screen Transition: See Figure 3-3.

STR 46826-S

Message PR0024. Two Balances (After A Transaction)

```

1111111111222222222233333333334444444444555
<margin>123456789012345678901234567890123456789012
+-----+
1 | NEW XXXXXXXXXXXXXXXXXXXX BALANCES XXXXXXXXXXXXXXXXXXXX | 1
2 | XXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXX | 2
3 | XXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXX | 3
4 | | 4
5 | Blank Line | 5
6 | | 6
7 | | 7
8 | | 8
9 | | 9
10 | | 10
11 | | 11
12 | | 12
13 | | 13
14 | | 14
15 | | 15
16 | | 16
+-----+

```

Variables: Line 1: pacct_desc2, pacct_num2

Line 2: pnw_bal1, pnw_bal_txt1

Line 3: pnw_bal2, pnw_bal_txt2

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|--|
| pacct_desc2 | O | X(18) | V | <p>If the Card Class Code is ICC 91 or 93, then print one of the following based on the optional Product Category Code element returned in the profile:</p> <ul style="list-style-type: none"> 1 - "CHECKING/CURRENT" 2 - "SAVINGS" 3 - "MONEY MARKET" 4 - "TIME DEPOSIT" 5 - "SAVINGS/INVESTMENT" 6 - "LINE OF CREDIT" 8 - "LOAN" 9 - "VISA" 10 - "MASTERCARD" 11 - "DINERS CLUB" |

STR 46826-S

STR 46829-S

Standard Data Elements: Message PR0024 (cont)

| Data Name | I/O | Format | L-R-V | Comments |
|---------------|-----|------------|-------|---|
| | | | | For Card Class 93, if no profile has been received, then use the CAT Card Type Code to determine which to print: 070-072 - "VISA" 073-074 - "MASTERCARD" 075 - "DINERS CLUB" |
| pacct_num2 | O | X(20) | V | Print 16 Xs and the last four digits of the Account Number from Message 4201. |
| pnew_bal1 | O | X(25) / \$ | R | Using Table 7-1 as a reference, print the first valid balance from the Balance_Info structure in FC4201 (for withdrawals) or FC4402 (for transfers/payments). Format the balance based on Currency_Cde from the Balance_Info structure in FC4201 (for withdrawals) or FC4402 (for transfers/payments). |
| pnew_bal_txt1 | O | X(26) | L | Print the balance descriptor text for the first valid balance returned. The text to display can be found in Table 7-1. |
| pnew_bal2 | O | X(25) / \$ | R | Using Table 7-1 as a reference, print the second valid balance from the Balance_Info structure in FC4201 (for withdrawals) or FC4402 (for transfers/payments). Format the balance based on Currency_Cde from the Balance_Info structure in FC4201 (for withdrawals) or FC4402 (for transfers/payments). |
| pnew_bal_txt2 | O | X(26) | L | Print the balance descriptor text for the second valid balance returned. The text to display can be found in Table 7-1. |

Screen Transition: See Figure 3-3, Figure 5-2.

STR 46826-S

Message PR0025. One Balance (After A Transaction)

| | | | | | | | | | | | | | | | |
|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|----|
| 1111111111222222222233333333334444444444555 | | | | | | | | | | | | | | | |
| <margin>1234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | | | | |
| 1 | NEW XXXXXXXXXXXXXXXXXXXX BALANCE XXXXXXXXXXXXXXXXXXXX | | | | | | | | | | | | | | 1 |
| 2 | XX | | | | | | | | | | | | | | 2 |
| 3 | | | | | | | | | | | | | | | 3 |
| 4 | Blank Line | | | | | | | | | | | | | | 4 |
| 5 | | | | | | | | | | | | | | | 5 |
| 6 | | | | | | | | | | | | | | | 6 |
| 7 | | | | | | | | | | | | | | | 7 |
| 8 | | | | | | | | | | | | | | | 8 |
| 9 | | | | | | | | | | | | | | | 9 |
| 10 | | | | | | | | | | | | | | | 10 |
| 11 | | | | | | | | | | | | | | | 11 |
| 12 | | | | | | | | | | | | | | | 12 |
| 13 | | | | | | | | | | | | | | | 13 |
| 14 | | | | | | | | | | | | | | | 14 |
| 15 | | | | | | | | | | | | | | | 15 |
| 16 | | | | | | | | | | | | | | | 16 |

Variables: Line 1: pacct_desc2, pacct_num2

Line 2: pnnew_bal1, pnnew_bal_txt1

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|--|
| pacct_desc2 | O | X(18) | V | <p>If the Card Class Code is ICC 91 or 93, then print one of the following based on the optional Product Category Code element returned in the profile:</p> <ul style="list-style-type: none"> 1 - "CHECKING/CURRENT" 2 - "SAVINGS" 3 - "MONEY MARKET" 4 - "TIME DEPOSIT" 5 - "SAVINGS/INVESTMENT" 6 - "LINE OF CREDIT" 8 - "LOAN" 9 - "VISA" 10 - "MASTERCARD" 11 - "DINERS CLUB" |

STR 46826-S
STR 46829-S

Standard Data Elements: Message PR0025 (cont)

| Data Name | I/O | Format | L-R-V | Comments |
|---------------|-----|------------|-------|--|
| | | | | For Card Class 93, if no profile has been received, then use the CAT Card Type Code to determine which to print: 070-072 - "VISA" 073-074 - "MASTERCARD" 075 - "DINERS CLUB" |
| pacct_num2 | O | X(20) | V | Print 16 Xs and the last four digits of the Account Number from Message 4201. |
| pnew_bal1 | O | X(25) / \$ | R | Using Table 7-1 as a reference, print the valid balance from the Balance_Info structure in FC4201 (for withdrawals) or FC4402 (for transfers/payments). Format the balance based on Currency_Cde from the Balance_Info structure in FC4201 (for withdrawals) or FC4402 (for transfers/payments). |
| pnew_bal_txt1 | O | X(26) | L | Print the balance for the valid balance returned. The text to display can be found in Table 7-1. |

Screen Transition: See Figure 3-3, Figure 5-2.

STR 46826-S

Message PR0028. Transfer/Payment (Equivalent Transaction Amount Received)

```

1111111111122222222223333333333444444444555
<margin>1234567890123456789012345678901234567890123456789012
+-----+
1 | TRANSFER XXXXXXXXXXXXXXXXXXXXXXXXXXXX - (#999) | 1
2 | FROM XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX | 2
3 | XXXXXXXXXXXXXXXXXXXX WAS CREDITED | 3
4 | TO XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX | 4
5 | | 5
6 | Blank Line | 6
7 | | 7
8 | | 8
9 | | 9
10 | | 10
11 | | 11
12 | | 12
13 | | 13
14 | | 14
15 | | 15
16 | | 16
+-----+

```

Variables: Line 1: tfr_amt, univ_trans_num

Line 2: psrce_acct_desc, psrce_acct_num

Line 3: Dest_Eqv_Txn_Amt

Line 4: pdest_acct_desc, pdest_acct_num

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------------|-----|------------|---------|---|
| tfr_amt | O | X(25) / \$ | V | Print the amount of the transfer. Format the amount based on the default transfer currency code. |
| univ_trans_num | O | 999 | V | Print the appropriate number from Table 7-2 depending upon the transaction that was performed. |
| Src_Eqv_Txn_Amt | O | X(25) / \$ | V | Print Src_Eqv_Txn_Amt, the amount of the transfer in the currency of the source account, from FC4402. Format the amount based on Src_Crncy_Cde in FC4402. |

STR 46829-S

Standard Data Elements: Message PR0028 (cont)

| Data Name | I/O | Format | L-R-V | Comments |
|------------------|-----|------------|-------|---|
| psrce_acct_desc | O | X(18) | V | For Card Class Code ICC 91 transfers and payments, print the name of the source Product Category chosen: 1 - "CHECKING/CURRENT" 2 - "SAVINGS" 3 - "MONEY MARKET" 4 - "TIME DEPOSIT" 5 - "SAVINGS/INVESTMENT" 6 - "LINE OF CREDIT" 8 - "LOAN" 9 - "VISA" 10 - "MASTERCARD" 11 - "DINERS CLUB" |
| psrce_acct_num | O | X(20) | V | Print 16 Xs and the last four digits of the Account Number from Message 4202. |
| Dest_Eqv_Txn_Amt | O | X(25) / \$ | V | Print Dest_Eqv_Txn_Amt, the amount of the transfer in the currency of the destination account, from FC4402. Format the amount based on Dest_Crncy_Cde in FC4402. |
| pdest_acct_desc | O | X(18) | V | For Card Class Code ICC 91 transfers and payments, print the name of the destination Product Category chosen: 1 - "CHECKING/CURRENT" 2 - "SAVINGS" 3 - "MONEY MARKET" 5 - "SAVINGS/INVESTMENT" 6 - "LINE OF CREDIT" 7 - "MORTGAGE" 8 - "LOAN" 9 - "VISA" 10 - "MASTERCARD" 11 - "DINERS CLUB" |
| pdest_acct_num | O | X(20) | V | Print 16 Xs and the last four digits of the Account Number from Message 4202. |

Screen Transition: See Figure 5-2.

STR 46821-S

Message PR0029. Transfer/Payment (No Equivalent Transaction Amounts Received)

1111111111222222222233333333334444444444555
 <margin>1234567890123456789012345678901234567890123456789012

| | | |
|----|--|----|
| 1 | TRANSFER XXXXXXXXXXXXXXXXXXXXXXXXXXXX - (#999) | 1 |
| 2 | FROM XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX | 2 |
| 3 | TO XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX | 3 |
| 4 | Blank Line | 4 |
| 5 | | 5 |
| 6 | | 6 |
| 7 | | 7 |
| 8 | | 8 |
| 9 | | 9 |
| 10 | | 10 |
| 11 | | 11 |
| 12 | | 12 |
| 13 | | 13 |
| 14 | | 14 |
| 15 | | 15 |
| 16 | | 16 |

Variables: Line 1: tfr_amt, univ_trans_num

Line 2: psrce_acct_desc, psrce_acct_num

Line 3: pdest_acct_desc, pdest_acct_num

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|----------------|-----|------------|---------|--|
| tfr_amt | O | X(25) / \$ | V | Print the amount of the transfer. Format the amount based on the default transfer currency code. |
| univ_trans_num | O | 999 | V | Print the appropriate number from Table 7-2 depending upon the transaction that was performed. |

STR 46829-S

Standard Data Elements: Message PR0029 (cont)

| Data Name | I/O | Format | L-R-V | Comments |
|-----------------|-----|--------|-------|---|
| psrce_acct_desc | O | X(18) | V | For Card Class Code ICC 91 transfers and payments, print the name of the source Product Category chosen: 1 - "CHECKING/CURRENT" 2 - "SAVINGS" 3 - "MONEY MARKET" 4 - "TIME DEPOSIT" 5 - "SAVINGS/INVESTMENT" 6 - "LINE OF CREDIT" 8 - "LOAN" 9 - "VISA" 10 - "MASTERCARD" 11 - "DINERS CLUB" |
| psrce_acct_num | O | X(20) | V | Print one X and the last four digits of the Account Number from Message 4402. |
| pdest_acct_desc | O | X(18) | V | For Card Class Code ICC 91 transfers and payments, print the name of the destination Product Category chosen: 1 - "CHECKING/CURRENT" 2 - "SAVINGS" 3 - "MONEY MARKET" 5 - "SAVINGS/INVESTMENT" 6 - "LINE OF CREDIT" 7 - "MORTGAGE" 8 - "LOAN" 9 - "VISA" 10 - "MASTERCARD" 11 - "DINERS CLUB" |
| pdest_acct_num | O | X(20) | V | Print 16 Xs and the last four digits of the Account Number from Message 4402. |

Screen Transition: See Figure 5-2.

STR 46821-S

Message PR0030. Inquiry - Two Balances

```

1111111111222222222233333333334444444444555
<margin>123456789012345678901234567890123456789012
+-----+
1 |      BALANCES - (#999)      | 1
2 |      XXXXXXXXXXXXXXXXXXXX  | 2
3 |      XXXXXXXXXXXXXXXXXXXX  | 3
4 |      XXXXXXXXXXXXXXXXXXXX  | 4
5 | Blank Line                  | 5
6 |                             | 6
7 |                             | 7
8 |                             | 8
9 |                             | 9
10|                             | 10
11|                             | 11
12|                             | 12
13|                             | 13
14|                             | 14
15|                             | 15
16|                             | 16
+-----+

```

Variables: Line 1: univ_trans_num

Line 2: pacct_desc3, pacct_num3

Line 3: pbal1, pbal_txt1

Line 4: pbal2, pbal_txt2

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|----------------|-----|--------|---------|--|
| univ_trans_num | O | 999 | V | Print the appropriate number from Table 7-2 depending upon the transaction that was performed. |

STR 46821-S

Standard Data Elements: Message PR0030 (cont)

| Data Name | I/O | Format | L-R-V | Comments | | | | | | | | |
|-------------|---------------|------------|-------|---|------|---------|---------|--------|---------|--------------|-----|---------------|
| pacct_desc3 | O | X(18) | V | <p>If the Card Class Code is ICC 91 or 93, then print one of the following based on the optional Product Category Code element returned in the profile:</p> <p>1 - "CHECKING/CURRENT" 2 - "SAVINGS" 3 - "MONEY MARKET" 4 - "TIME DEPOSIT" 5 - "SAVINGS/INVESTMENT" 6 - "LINE OF CREDIT" 7 - "MORTGAGE" 8 - "LOAN" 9 - "VISA" 10 - "MASTERCARD" 11 - "DINERS CLUB"</p> <p>For Card Class 93, if no profile has been received, then use the CAT Card Type Code to determine which to print:</p> <table><tr><th>Code</th><th>Display</th></tr><tr><td>070-072</td><td>"VISA"</td></tr><tr><td>073-074</td><td>"MASTERCARD"</td></tr><tr><td>075</td><td>"DINERS CLUB"</td></tr></table> <p>Else, if Card Class Code is Off-Us 10 - Off-Us 13, then print one of the following based on the Product Type Code:</p> <p>001 - "CHECKING" 004 - "SAVINGS" 014 - "CREDIT"</p> | Code | Display | 070-072 | "VISA" | 073-074 | "MASTERCARD" | 075 | "DINERS CLUB" |
| Code | Display | | | | | | | | | | | |
| 070-072 | "VISA" | | | | | | | | | | | |
| 073-074 | "MASTERCARD" | | | | | | | | | | | |
| 075 | "DINERS CLUB" | | | | | | | | | | | |
| pacct_num3 | O | X(20) | V | Print 16 Xs and the last four digits of the Account Number from Message 4501. | | | | | | | | |
| pball | O | X(25) / \$ | R | Using Table 7-1 as a reference, print the first valid balance from the Balance_Info structure in FC4501. Format the balance based on Currency_Cde from the Balance_Info structure in FC4501. | | | | | | | | |

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STR 48212-S

Standard Data Elements: Message PR0030 (cont)

| Data Name | I/O | Format | L-R-V | Comments |
|------------------|------------|---------------|--------------|---|
| pbal_txt1 | O | X(26) | L | Print the balance descriptor text for the first valid balance returned. The text to print can be found in Table 7-1. |
| pbal2 | O | X(25) / \$ | R | Using Table 7-1 as a reference, print the second valid balance from the Balance_Info structure in FC4501. Format the balance based on Currency_Cde from the Balance_Info structure in FC4501. |
| pbal_txt2 | O | X(26) | L | Print the balance descriptor text for the second valid balance returned. The text to print can be found in Table 7-1. |

Screen Transition: See Figure 4-1.

Message PR0031. Inquiry - One Balance

```

1111111111222222222233333333334444444444555
<margin>123456789012345678901234567890123456789012
+-----+
1 |      BALANCE - (#999) | 1
2 |      XXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX | 2
3 |      XXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX | 3
4 | Blank Line | 4
5 | | 5
6 | | 6
7 | | 7
8 | | 8
9 | | 9
10 | | 10
11 | | 11
12 | | 12
13 | | 13
14 | | 14
15 | | 15
16 | | 16
+-----+

```

Variables: Line 1: univ_trans_num

Line 2: pacct_desc3, pacct_num3

Line 3: pbal1, pbal_txt1

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|----------------|-----|--------|---------|--|
| univ_trans_num | O | 999 | V | Print the appropriate number from Table 7-2 depending upon the transaction that was performed. |

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Standard Data Elements: Message PR0031 (cont)

| Data Name | I/O | Format | L-R-V | Comments | | | | | | | | |
|-------------|---------------|------------|-------|---|------|---------|---------|--------|---------|--------------|-----|---------------|
| pacct_desc3 | O | X(18) | V | <p>If the Card Class Code is ICC 91 or 93, then print one of the following based on the optional Product Category Code element returned in the profile:</p> <ul style="list-style-type: none">1 - "CHECKING/CURRENT"2 - "SAVINGS"3 - "MONEY MARKET"4 - "TIME DEPOSIT"5 - "SAVINGS/INVESTMENT"6 - "LINE OF CREDIT"7 - "MORTGAGE"8 - "LOAN"9 - "VISA"10 - "MASTERCARD"11 - "DINERS CLUB" <p>For Card Class 93, if no profile has been received, then use the CAT Card Type Code to determine which to print:</p> <table><tr><th>Code</th><th>Display</th></tr><tr><td>070-072</td><td>"VISA"</td></tr><tr><td>073-074</td><td>"MASTERCARD"</td></tr><tr><td>075</td><td>"DINERS CLUB"</td></tr></table> <p>Else, if Card Class Code is Off-Us 10 - Off-Us 13, then print one of the following based on the Product Type Code:</p> <ul style="list-style-type: none">001 - "CHECKING"004 - "SAVINGS"014 - "CREDIT" | Code | Display | 070-072 | "VISA" | 073-074 | "MASTERCARD" | 075 | "DINERS CLUB" |
| Code | Display | | | | | | | | | | | |
| 070-072 | "VISA" | | | | | | | | | | | |
| 073-074 | "MASTERCARD" | | | | | | | | | | | |
| 075 | "DINERS CLUB" | | | | | | | | | | | |
| pacct_num3 | O | X(20) | V | Print 16 Xs and the last four digits of the Account Number from Message 4501. | | | | | | | | |
| pball1 | O | X(25) / \$ | R | Using Table 7-1 as a reference, print the valid balance from the Balance_Info structure in FC4501: Format the balance based on Currency_Cde from the Balance_Info structure in FC4501. | | | | | | | | |

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Standard Data Elements: Message PR0031 (cont)

| Data Name | I/O | Format | L-R-V | Comments |
|-----------|-----|--------|-------|--|
| pbal_txt1 | O | X(26) | L | Print the balance descriptor text for the valid balance returned. The text to print can be found in Table 7-1. |

Screen Transition: See Figure 4-1.

Message PR0032. PC CAT Withdrawal Slip - Staff Copy - On-Us

111111111122222222223333333333444444444455555555556
123456789012345678901234567890123456789012345678901234567890

| | | | | | |
|----|---|-------|----------|----------------------|----|
| 1 | PC CAT WITHDRAWAL RECORD | | | | 1 |
| 2 | NOT NEGOTIABLE | | | | 2 |
| 3 | | | | | 3 |
| 4 | DATE | TIME | LOCATION | CITICARD NUMBER | 4 |
| 5 | Z9 XXX 9999 | 99:99 | XX99999 | XXXXXXXXXXXXXXXXXXXX | 5 |
| 6 | | | | | 6 |
| 7 | WITHDRAWAL AMOUNT: XXXXXXXXXXXXXXXX | | | | 7 |
| 8 | | | | | 8 |
| 9 | AMOUNT DEBITED: XXXXXXXXXXXXXXXXXXXXXXXX | | | | 9 |
| 10 | | | | | 10 |
| 11 | FROM: XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX | | | | 11 |
| 12 | | | | | 12 |
| 13 | CUSTOMER'S BANK: XXXXXXXXXXXXXXXXXXXXXXXX | | | | 13 |
| 14 | | | | | 14 |
| 15 | MESSAGE SEQUENCE: XXXX | | | | 15 |
| 16 | | | | | 16 |
| 17 | AUTHORIZED SIGNATURE: _____ | | | | 17 |
| 18 | FOR BANK USE ONLY | | | | 18 |
| 19 | | | | | 19 |

Variables: Line 5: day/month/year/txn_time/txn_bus/txn_term_id/
txn_card_no

Line 7: txn_amt_w

Line 9: Equiv_Txn_Amt

Line 11: pacct_desc, pacct_num

Line 13: cs_name

Line 15: Msg_Seq_No

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|---|
| day | O | Z9 | V | Display the current day of the month. |
| month | O | XXX | V | Print the current month based on Table C-2. |

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Standard Data Elements: PR0032 (cont)

| Data Name | I/O | Format | L-R-V | Comments |
|---------------|-----|----------|-------|---|
| year | O | 9999 | V | Print the current year. |
| txn_time | O | X(5) | L | The start of session time in HH:MM format (military time). |
| txn_bus | O | XX | L | A business identifier based on the acquiring business. For the PC CAT pilot, display "UK" for United Kingdom. |
| txn_term_id | O | 9(5) | L | The CAT terminal number from the CAT's configuration. |
| txn_card_no | O | X(19) | L | The customer ID number. |
| txn_amt_w | O | X(15)/W | L | Print Transaction Amount with currency descriptor based on the Transaction Currency Code of the withdrawal currency. |
| Equiv_Txn_Amt | O | X(25)/\$ | L | Print Equivalent Transaction Amount, from Message 4201, with transaction descriptor based on Equivalent Transaction Currency Code from Message 4201. |
| pacct_desc | O | X(18) | V | <p>If the Card Class Code is ICC 91 or 93, print one of the following based on the optional Product Category Code element returned in the profile for the withdrawal source account:</p> <ol style="list-style-type: none"> 1 - "CHECKING/CURRENT" 2 - "SAVINGS" 3 - "MONEY MARKET" 4 - "TIME DEPOSIT" 5 - "SAVINGS/INVESTMENT" 6 - "LINE OF CREDIT" 8 - "LOAN" 9 - "VISA" 10 - "MASTERCARD" 11 - "DINERS CLUB" |

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Standard Data Elements: PR0032 (cont)

| Data Name | I/O | Format | L-R-V | Comments |
|------------|-----|--------|-------|---|
| | | | | For Card Class 93, if no profile has been received, then use the CAT Card Type Code to determine which to print: 070-072 - "VISA" 073-074 - "MASTERCARD" 075 - "DINERS CLUB" |
| pacct_num | O | X(20) | V | Print 16 Xs and the last four digits of the Account Number from Message 4201. |
| cs_name | O | X(22) | L | The Customer Service Name from Message 4117. |
| Msg_Seq_No | O | X(4) | L | Print Message Sequence Number from Message 4201. |

Screen Transition: See Figure 3-8.

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Message PR0033. PC CAT Withdrawal Slip - Teller Copy - On-U's

11111111112222222222333333333344444444445555555555 56
123456789012345678901234567890123456789012345678 90

| WITHDRAWAL TICKET | | | | |
|---|-------|----------|----------------------|--|
| DATE | TIME | LOCATION | CITICARD NUMBER | |
| Z9 XXX 9999 | 99:99 | XX99999 | XXXXXXXXXXXXXXXXXXXX | |
| WITHDRAWAL AMOUNT: XXXXXXXXXXXXXXXX | | | | |
| AMOUNT DEBITED: XXXXXXXXXXXXXXXXXXXXXXXX | | | | |
| FROM: XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXX | | | | |
| CUSTOMER'S BANK: XXXXXXXXXXXXXXXXXXXXXXXX | | | | |
| MESSAGE SEQUENCE: XXXX | | | | |
| AUTHORIZED SIGNATURE: _____ | | | | |

Variables: Line 5: day/month/year/txn_time/txn_bus/txn_term_id/
txn_card_no

Line 7: txn_amt_w

Line 9: Equiv_Txn_Amt

Line 11: pacct_desc, pacct_num

Line 13: cs_name

Line 15: Msg_Seq_No

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|---|
| day | O | Z9 | V | Display the current day of the month. |
| month | O | XXX | V | Print the current month based on Table C-2. |

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Standard Data Elements: Message PR0033 (cont)

| Data Name | I/O | Format | L-R-V | Comments |
|---------------|-----|----------|-------|---|
| year | O | 9999 | V | Print the current year. |
| txn_time | O | X(5) | L | The start of session time in HH:MM format (military time). |
| txn_bus | O | XX | L | A business identifier based on the acquiring business. For the PC CAT pilot, display "UK" for United Kingdom. |
| txn_term_id | O | 9(5) | L | The CAT terminal number from the CAT's configuration. |
| txn_card_no | O | X(19) | L | The customer ID number. |
| txn_amt_w | O | X(15)/W | L | Print Transaction Amount with currency descriptor based on the Transaction Currency Code of the withdrawal currency. |
| Equiv_Txn_Amt | O | X(25)/\$ | L | Print Equivalent Transaction Amount, from Message 4201, with transaction descriptor based on Equivalent Transaction Currency Code from Message 4201. |
| pacct_desc | O | X(18) | V | <p>If the Card Class Code is ICC 91 or 93, print one of the following based on the optional Product Category Code element returned in the profile for the withdrawal source account:</p> <ul style="list-style-type: none"> 1 - "CHECKING/CURRENT" 2 - "SAVINGS" 3 - "MONEY MARKET" 4 - "TIME DEPOSIT" 5 - "SAVINGS/INVESTMENT" 6 - "LINE OF CREDIT" 8 - "LOAN" 9 - "VISA" 10 - "MASTERCARD" 11 - "DINERS CLUB" |

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Standard Data Elements: Message PR0033 (cont)

| Data Name | I/O | Format | L-R-V | Comments |
|------------|-----|--------|-------|---|
| | | | | For Card Class 93, if no profile has been received, then use the CAT Card Type Code to determine which to print: 070-072 - "VISA" 073-074 - "MASTERCARD" 075 - "DINERS CLUB" |
| pacct_num | O | X(20) | V | Print 16 Xs and the last four digits of the Account Number from Message 4201. |
| cs_name | O | X(22) | L | The Customer Service Name from Message 4117. |
| Msg_Seq_No | O | X(4) | L | Print Message Sequence Number from Message 4201. |

STR 46814-S

Chapter 8

ICC Card Processing

ICC Standalone Card Processing is the application that controls the start of session, the initial card read, and routing to the generic ICC applications. The Standalone Card Processing Application is used only by ICC CATs that run only ICC applications and no local CAT applications. ICC Standalone CATs accept only ICC cards—no local cards are accepted.

8.1 Languages

Each screen in Standalone Card Processing may be displayed in either one or two languages, depending upon the language configuration of the CAT. If the CAT is configured for two languages, the languages are designated as primary and secondary. If only one language is set in the configuration, it is, by default, the primary language.

For clarity, only the two language screens have been referenced in the flowcharts. The single-language versions have been assigned the same screen number with a designator "A" appended to them. For example, Screen 6007 is the Out of Service - Two Language screen, and Screen 6007A is the Out of Service - One Language screen.

This is the English version of ICC Standalone Card Processing. These screens are used by all ICC Standalone CAT configurations in which English is the primary language. The secondary language may be any other language.

This APS also contains the variable text to use on secondary language portions for all screens where English is the secondary language. For variable text for all non-English languages, see the appropriate ICC language "Phrase by Screen Report".

8.2 Processing Overview

Following are the steps that comprise processing:

3. Check if an infinite retry message was sent. If so, check if a response has been received. Process accordingly.
4. Check the status of the devices. If the card reader or the touchscreen is down, take the CAT out of service. If they are up, continue.
5. Display the appropriate Hello screen. Wait for card insert/dip.
6. When a card is inserted, validate it for valid International Organization for Standardization (ISO) format.
7. If the device is a PC CAT configured for cardless access and the button for cardless access is activated, display a screen to capture the card identification number (CIN).
8. If the read was good, go to the ICC Generic Product Select (PN) application, whether the card was found in the ICC language table or not. If the read was not good, display an appropriate error screen and either time out (dip readers), or go through the Return Card routine (transport readers).
9. If the PN application is unable to process this card, it is returned to this application. For a Standalone ICC, it should always return a card class of unsupported if it cannot process the card. Otherwise, it is treated as a bad card read. In either case, display an appropriate error screen and either time out (dip readers) or go through the Return Card routine (transport readers).
10. Restart the application.

8.3 Flowcharts

This section provides the flowcharts that describe the ICC Card Processing application.

ICC Card Processing

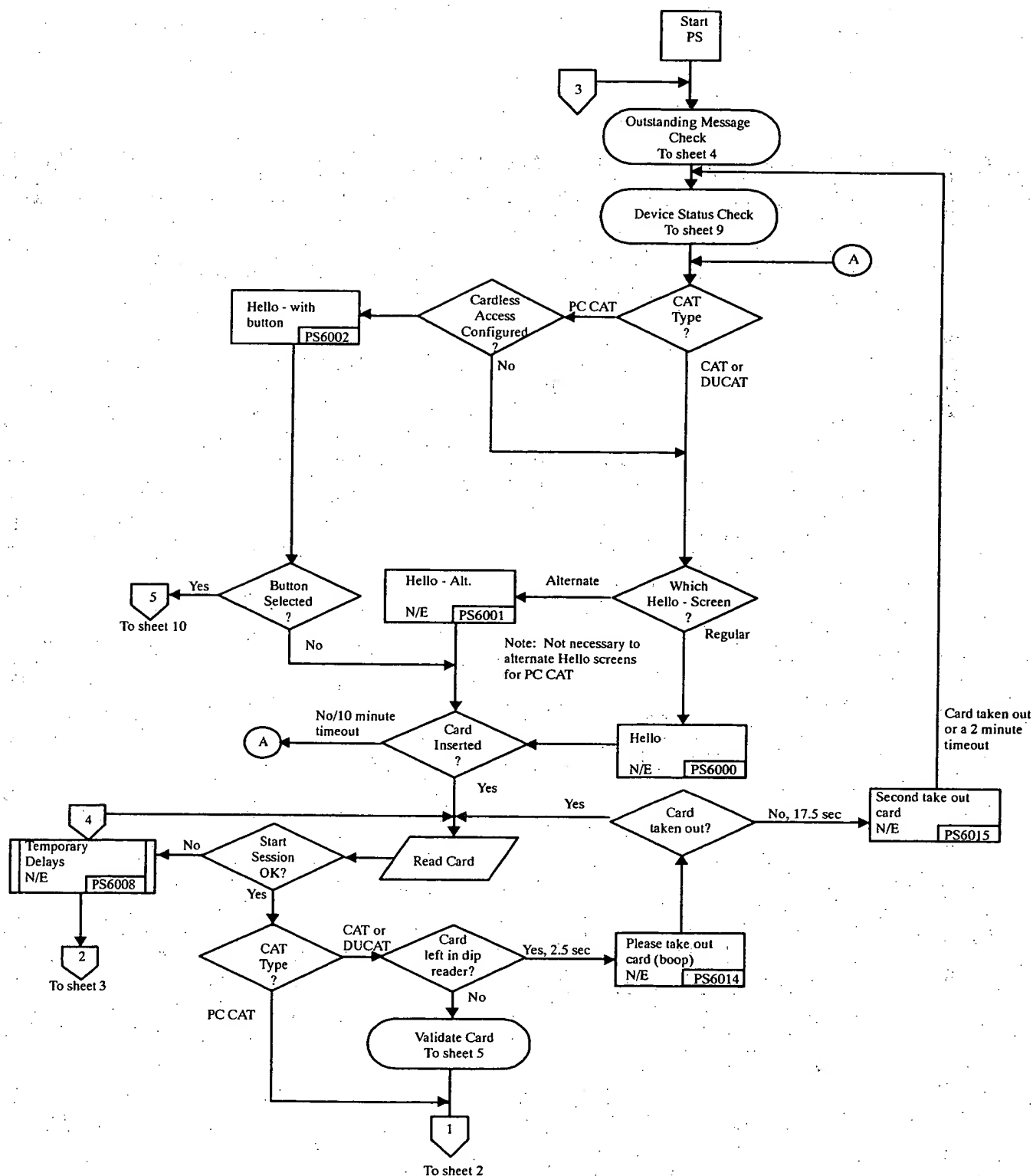


Figure 8-1. ICC Card Processing Hello and Read Card (Sheet 1 of 10)

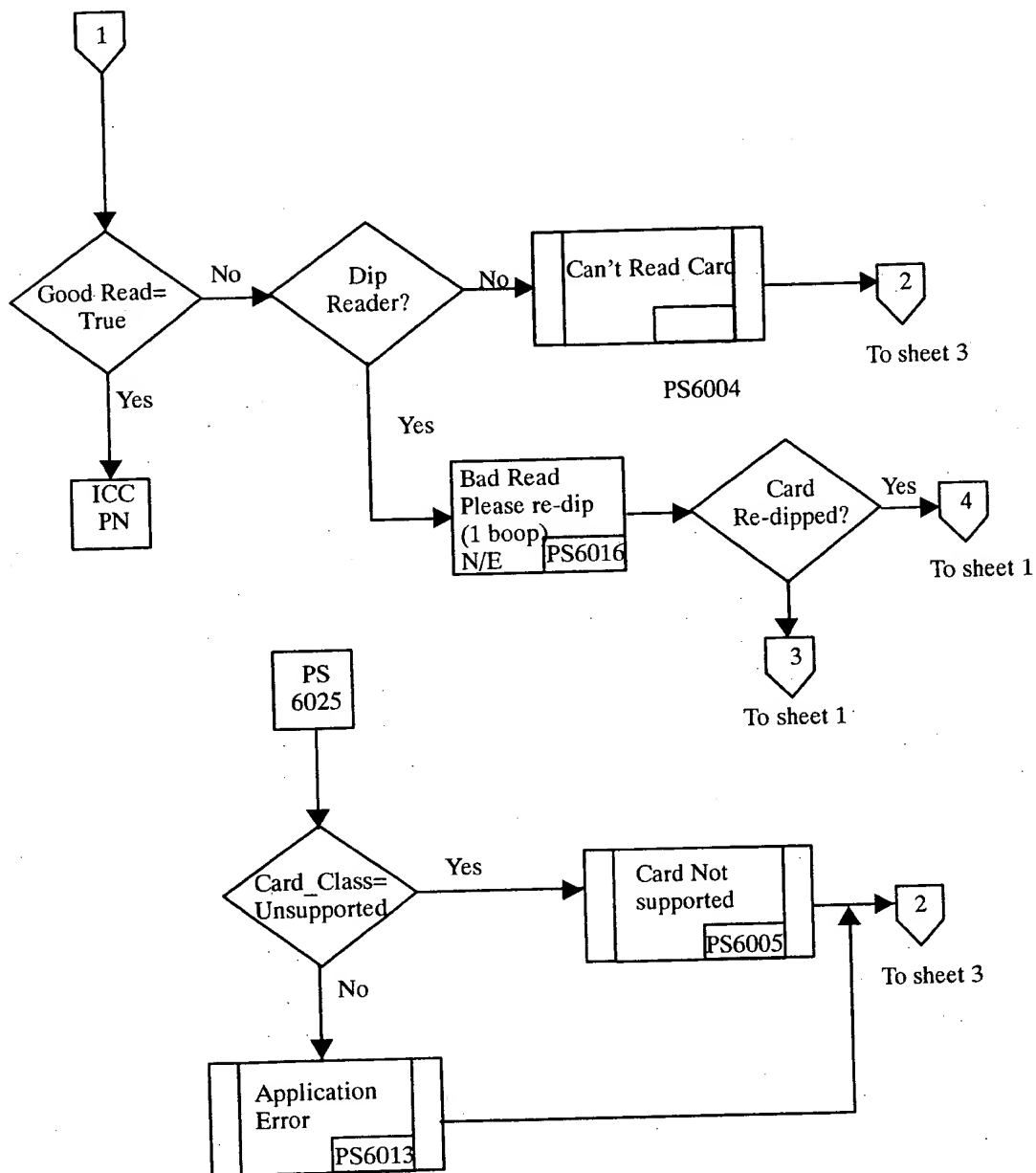


Figure 2-1a. ICC Card Processing Hello and Read Card (cont) (Sheet 2 of 10)

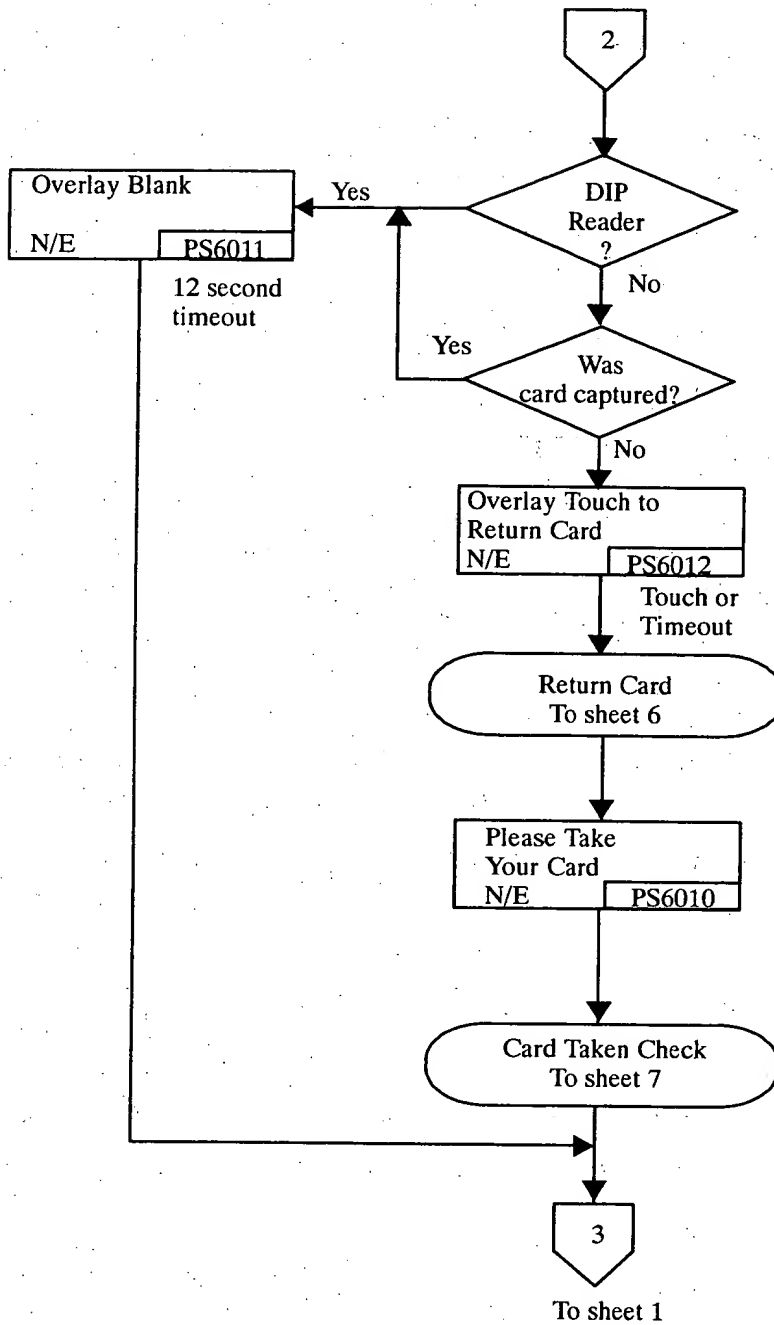


Figure 8-2. ICC Card Processing Exit (Sheet 3 of 10)

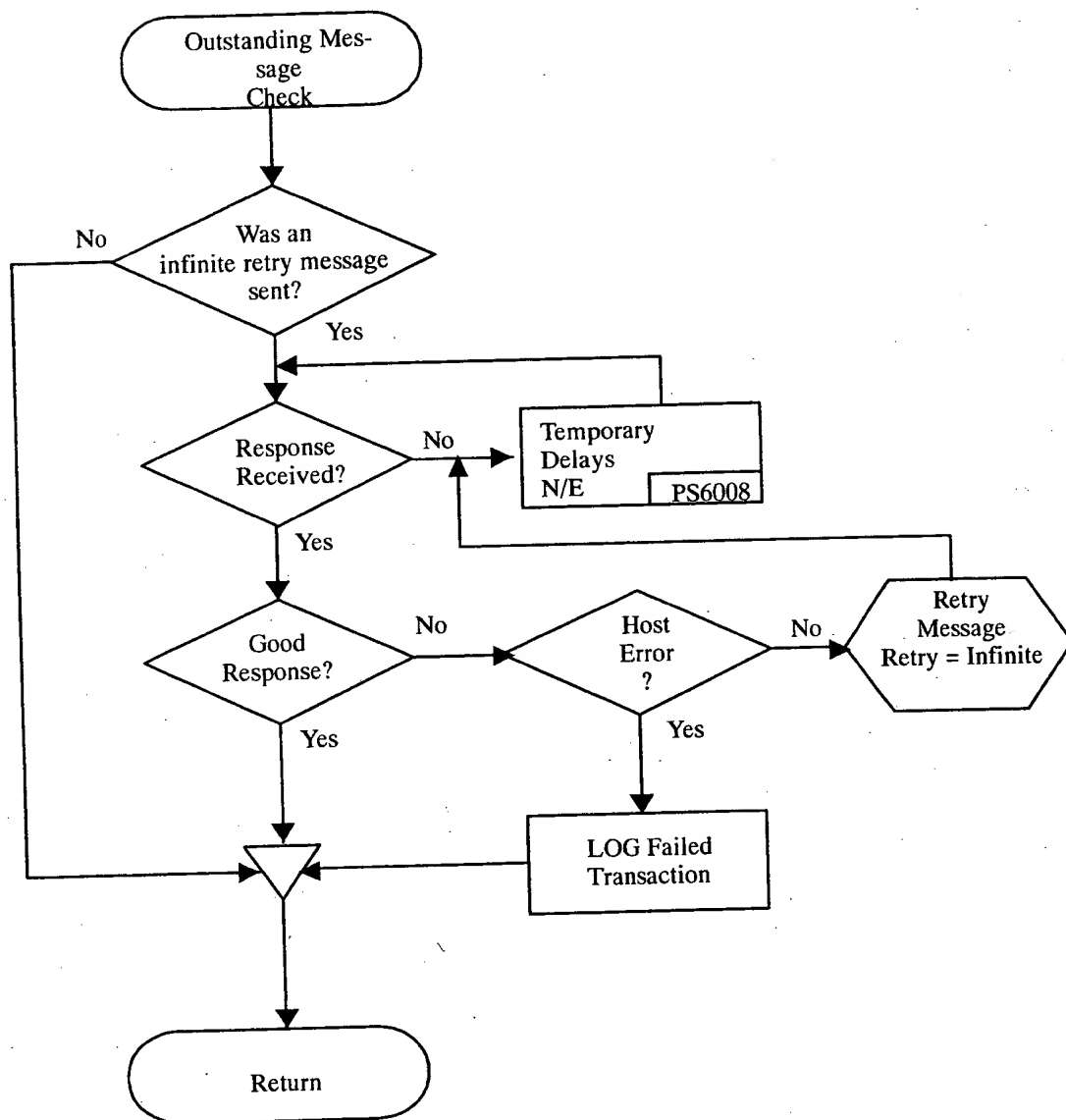


Figure 8-3. ICC Card Processing Outstanding Message Check (Sheet 4 of 10)

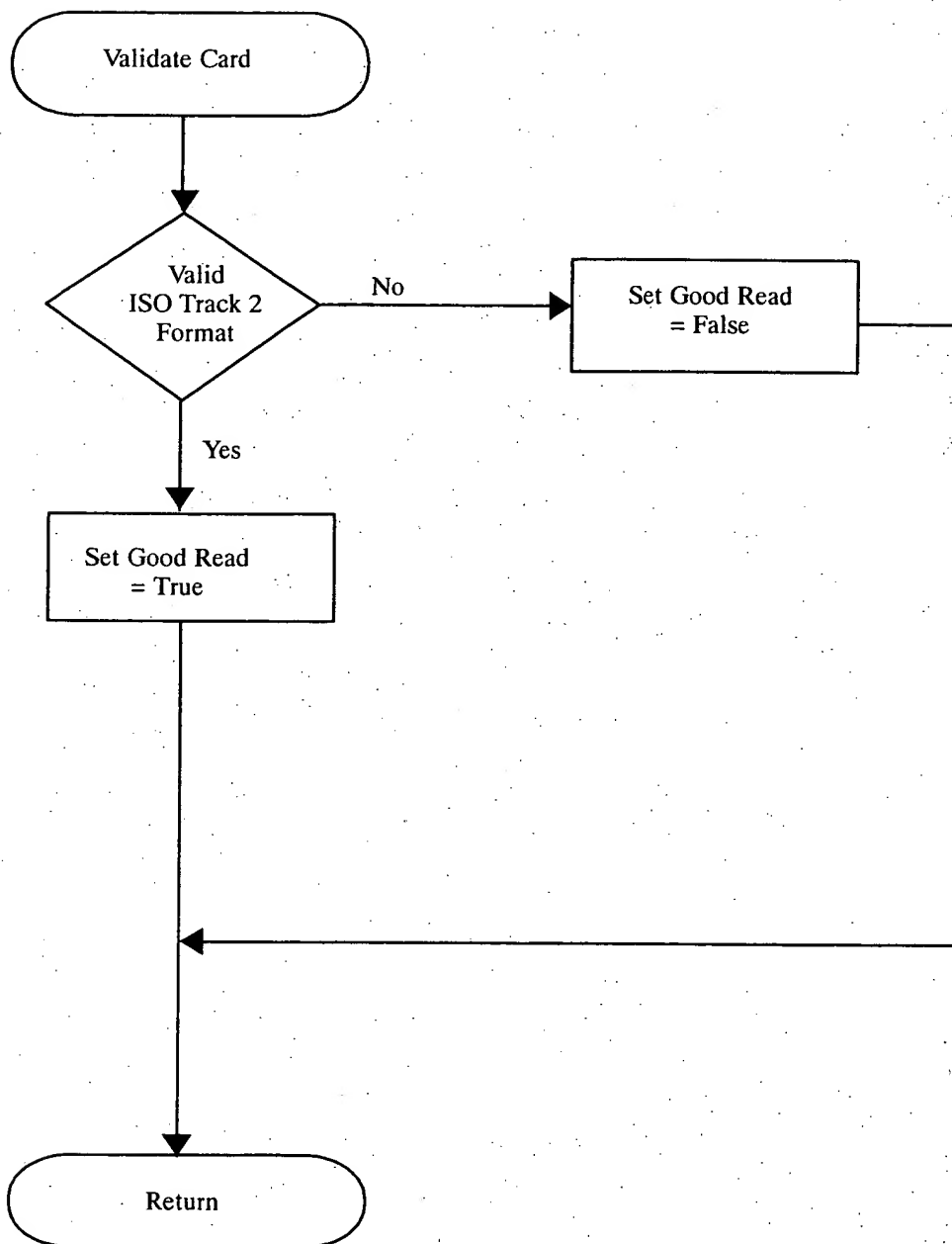


Figure 8-4. ICC Card Processing Validate Card (Sheet 5 of 10)

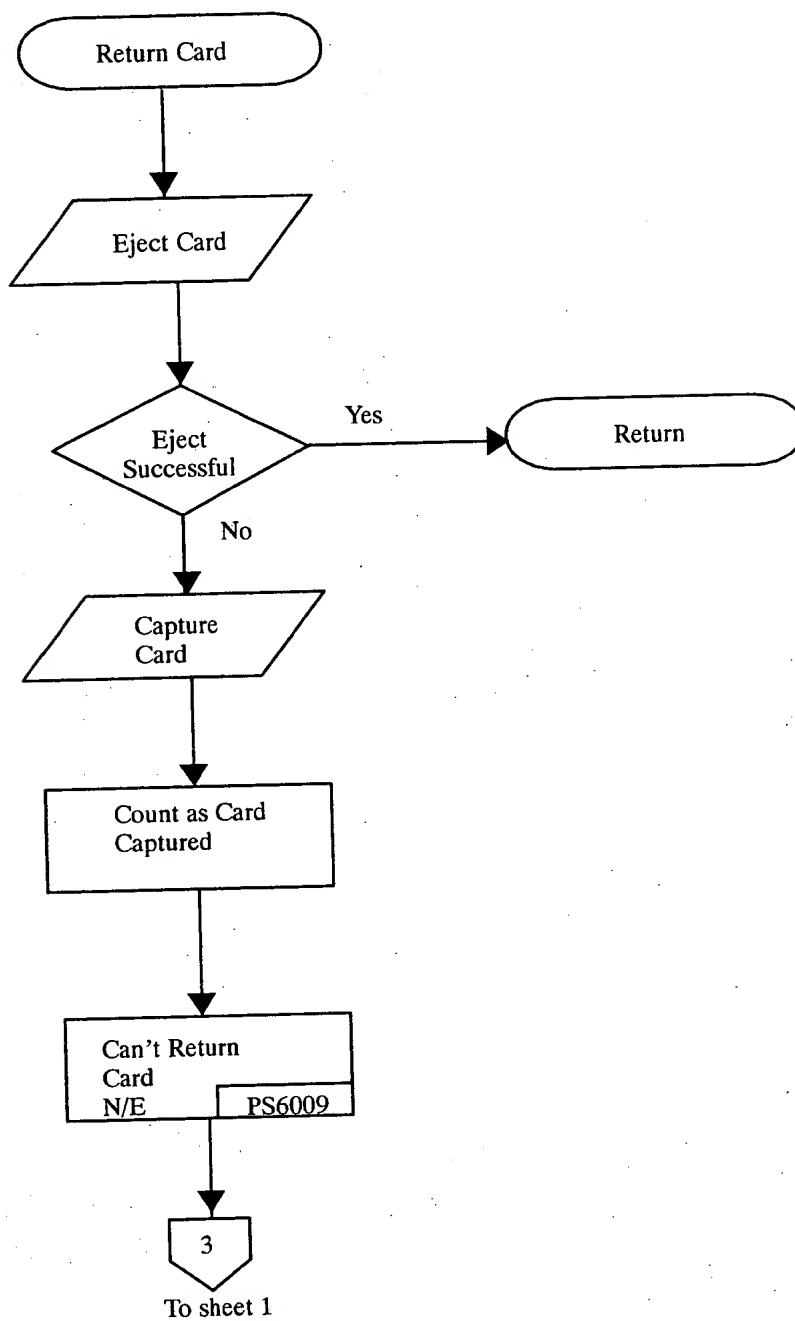


Figure 8-5. ICC Card Processing Return Card (Sheet 6 of 10)

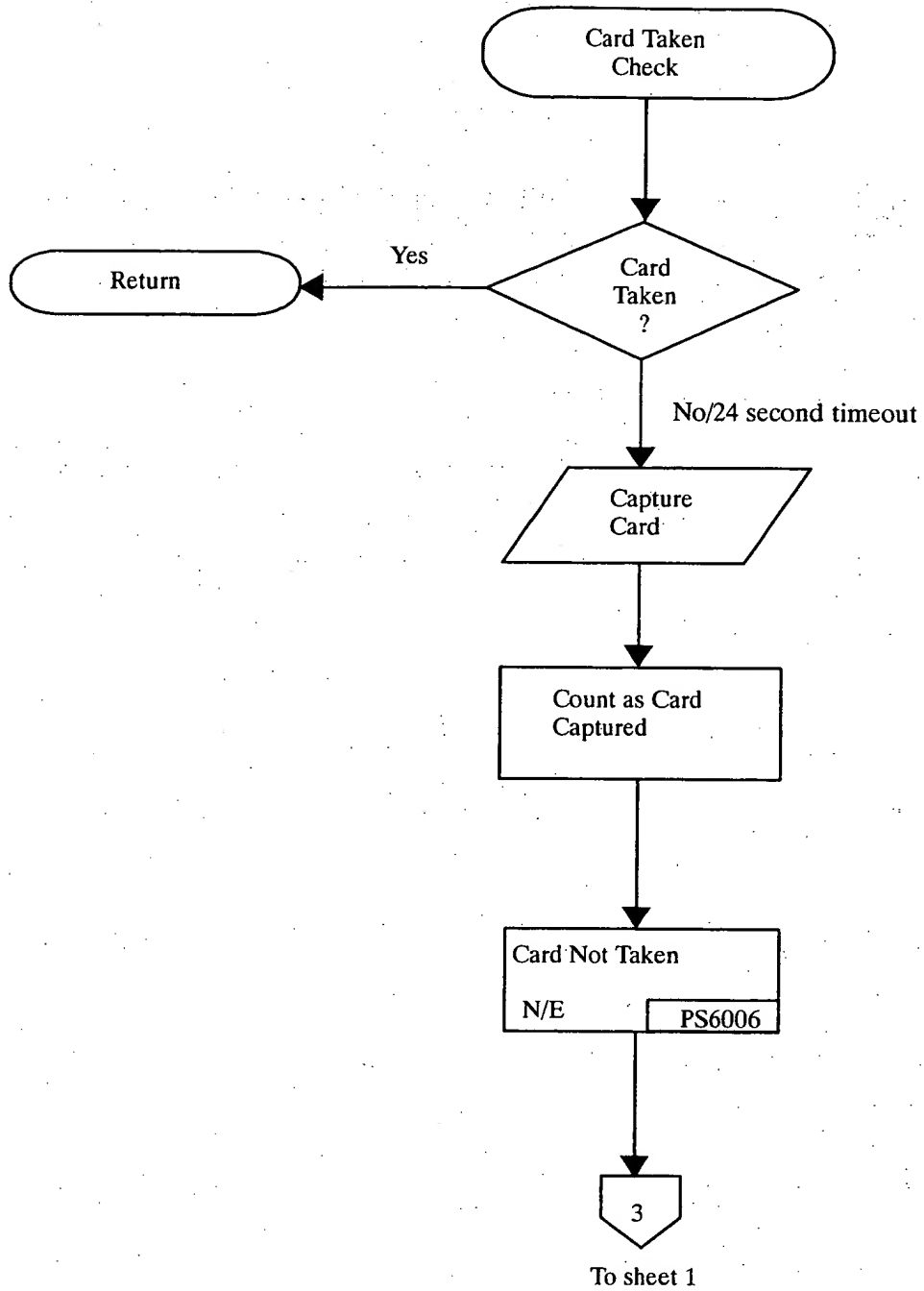


Figure 8-6. ICC Card Processing Card Taken Check (Sheet 7 of 10)

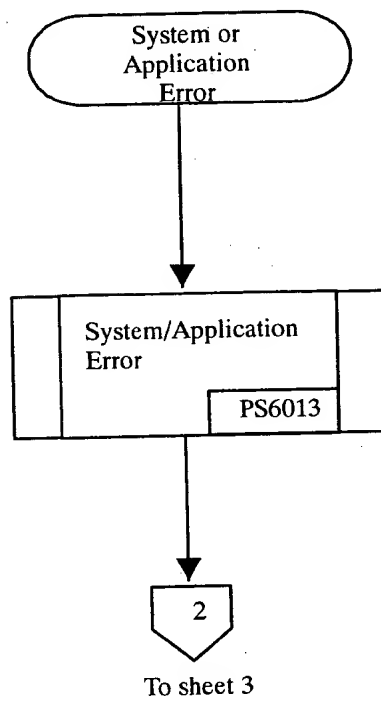


Figure 8-7. ICC Card Processing System or Application Error (Sheet 8 of 10)

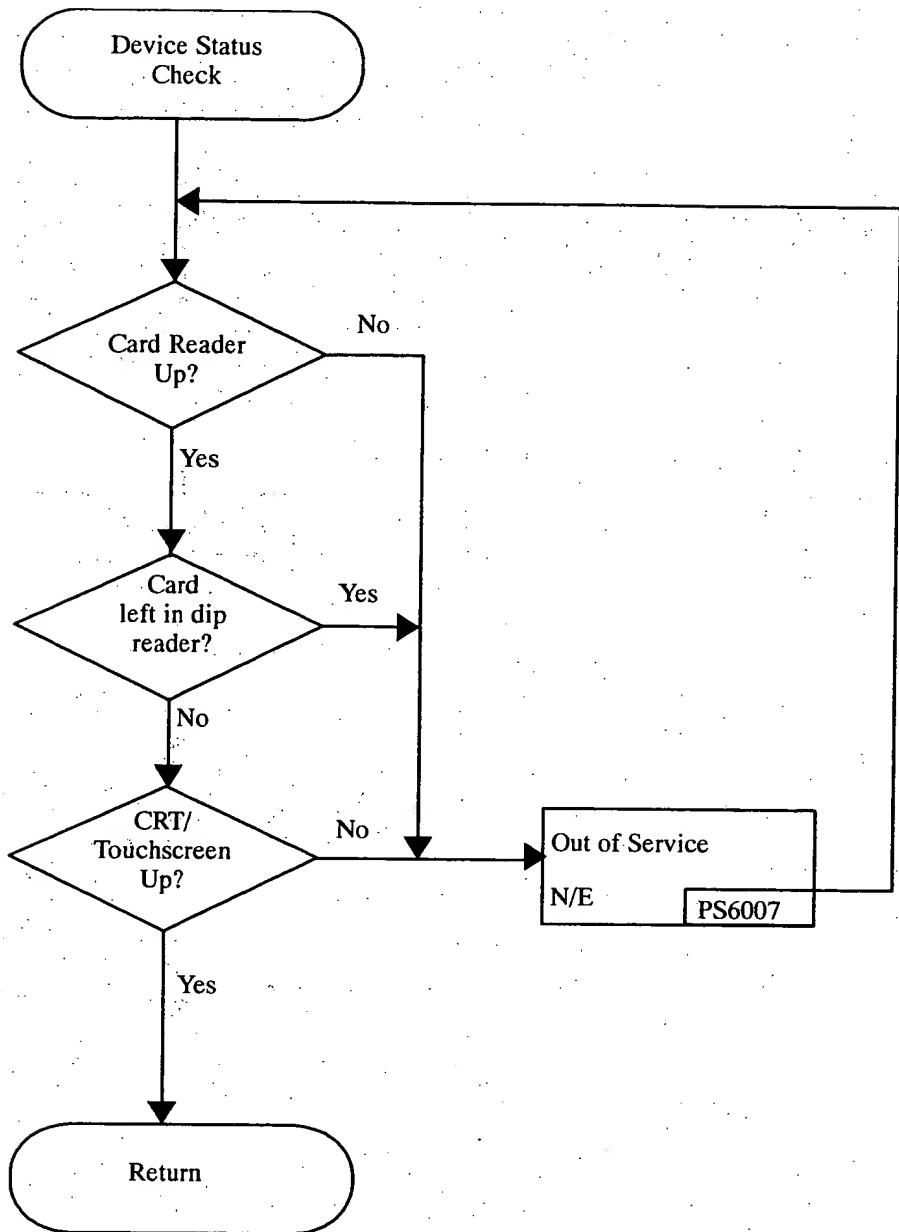


Figure 8-8. ICC Card Processing Device Status Check (Sheet 9 of 10)

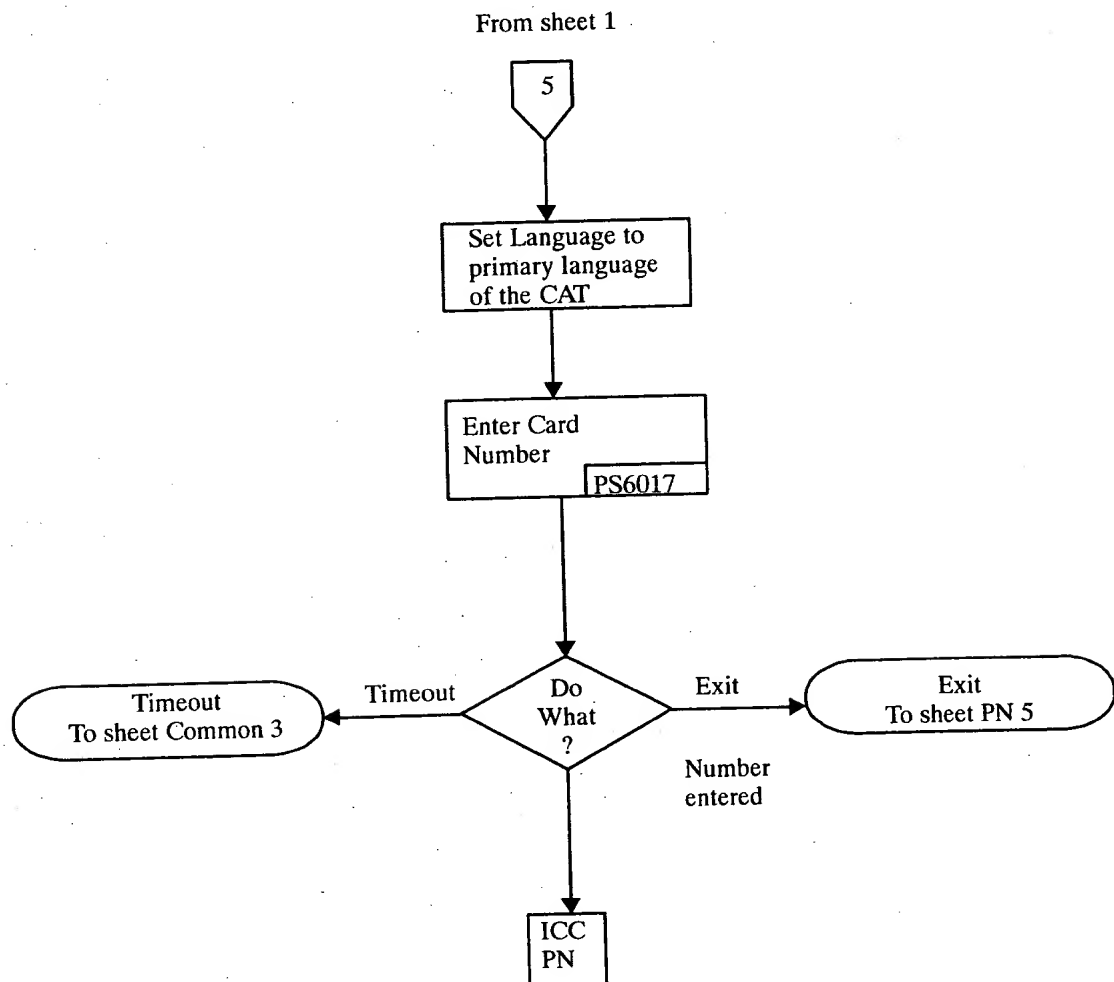


Figure 8-9. PC CAT Cardless Access (Sheet 10 of 10)

8.4 Screens

This section shows the screens and standard data elements for the ICC Card Processing application.

Standard Data Elements: Screen PS6000 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|--------|---------|--|
| ins_card1 | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "Please put your card in the slot"</p> <p>CAT/transport - "Please put your card in the slot"</p> <p>DUCAT/transport - "Please put your card in the slot"</p> <p>DUCAT/dip - "Please put your card in the slot"</p> <p>PC CAT - "Please put your card in the slot"</p> |
| ins_card1a | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "to your right and take it out -"</p> <p>CAT/transport- "above."</p> <p>DUCAT/transport - "to your left."</p> <p>DUCAT/dip - "to your left and take it out -"</p> <p>PC CAT - "and take it out - so I can help you."</p> |
| ins_card1b | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "so I can help you."</p> <p>CAT/transport - blank</p> <p>DUCAT/transport - blank</p> <p>DUCAT/dip - "so I can help you."</p> <p>PC CAT - blank</p> |

Standard Data Elements: Screen PS6000 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|--------|---------|--|
| hello2 | O | X(38) | C | <p>If the secondary language of this CAT is English, display one of the following based on time of day:</p> <p>Morning - "Hello - May I help you?"</p> <p>Afternoon - "Hello - May I help you?"</p> <p>Evening - "Hello - May I help you?"</p> <p>Where "morning" is from 6:00 A.M. to noon, "afternoon" is from noon to 6:00 P.M., and "evening" is from 6:00 P.M. to 6:00 A.M.</p> |
| hello2a | O | X(38) | C | <p>Display one of the following based on time of day:</p> <p>Morning - blank</p> <p>Afternoon - blank</p> <p>Evening - blank</p> |
| hello2C | O | C(17) | C | See the appropriate non-English language ICC APS for text to display. |
| ins_card2 | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "Please put your card in the slot"</p> <p>CAT/transport - "Please put your card in the slot"</p> <p>DUCAT/transport - "Please put your card in the slot"</p> <p>DUCAT/dip - "Please put your card in the slot"</p> <p>PC CAT - "Please put your card in the slot"</p> |
| ins_card2C | O | C(17) | C | See the appropriate non-English language ICC APS for text to display. |

Standard Data Elements: Screen PS6000 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|--|
| ins_card2a | O | X(38) | C | <p>If the secondary language of this CAT is English, display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "to your right and take it out -"</p> <p>CAT/transport - "above."</p> <p>DUCAT/transport - "to your left."</p> <p>DUCAT/dip - "to your left and take it out -"</p> <p>PC CAT - "and take it out - so I can help you."</p> |
| ins_card2aC | O | C(17) | C | See the appropriate non-English language ICC APS for text to display. |
| ins_card2b | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "so I can help you."</p> <p>CAT/transport - blank</p> <p>DUCAT/transport - blank</p> <p>DUCAT/dip - "so I can help you."</p> <p>PC CAT - blank</p> |
| ins_card2bC | O | C(17) | C | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 8-1.

Screen PS6000A. One Language Hello

| | |
|--|-----------------------|
| 1111111111222222222233333333334 | |
| 1234567890123456789012345678901234567890 | |
| 1 | 1 |
| 2 | 2 |
| 3 | 3 |
| 4 | 4 |
| 5 | 5 |
| 6 | 6 |
| 7 | 7 greeting |
| 8 | 8 greeting1 not shown |
| 9 | 9 |
| 10 | 10 |
| 11 | 11 ins_card1 |
| 12 | 12 ins_cardla |
| 13 | 13 ins_cardlb |
| 14 | 14 |
| 15 | 15 |
| 16 | 16 |
| 17 | 17 |
| 18 | 18 |
| 19 | 19 |
| 20 | 20 |

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|---|
| greeting | O | X(38) | C | Display one of the following based on time of day: Morning - "Hello - May I help you?" Afternoon - "Hello - May I help you?" Evening - "Hello - May I help you?" Where "morning" is from 6:00 A.M. to noon, "afternoon" is from noon to 6:00 P.M., and "evening" is from 6:00 P.M. to 6:00 A.M. |
| greeting1 | O | X(38) | C | Display one of the following based on time of day: Morning - blank Afternoon - blank Evening - blank |

Standard Data Elements: Screen PS6000A (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|--------|---------|--|
| ins_card1 | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "Please put your card in the slot"</p> <p>CAT/transport - "Please put your card in the slot"</p> <p>DUCAT/transport - "Please put your card in the slot"</p> <p>DUCAT/dip - "Please put your card in the slot"</p> <p>PC CAT - "Please put your card in the slot"</p> |
| ins_card1a | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "to your right and take it out -"</p> <p>CAT/transport - "above."</p> <p>DUCAT/transport - "to your left."</p> <p>DUCAT/dip - "to your left and take it out -"</p> <p>PC CAT - "and take it out - so I can help you."</p> |
| ins_card1b | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "so I can help you."</p> <p>CAT/transport - blank</p> <p>DUCAT/transport - blank</p> <p>DUCAT/dip - "so I can help you."</p> <p>PC CAT - blank</p> |

Screen Transition: See Figure 8-1.

Screen PS6001. Two Language Hello - Alt

| | |
|--|--|
| 111111111122222222223333333334 | |
| 1234567890123456789012345678901234567890 | |
| 1 | XX |
| 2 | XX |
| 3 | XX |
| 4 | XX |
| 5 | XX |
| 6 | |
| 7 | |
| 8 | |
| 9 | |
| 10 | |
| 11 | XX |
| 12 | XX |
| 13 | XX |
| 14 | XX |
| 15 | XX |
| 16 | |
| 17 | |
| 18 | |
| 19 | © Citicorp 1990, 1995 |
| 20 | |

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|---|
| greeting | O | X(38) | C | Display one of the following based on time of day: Morning - "Hello - May I help you?" Afternoon - "Hello - May I help you?" Evening - "Hello - May I help you?" Where "morning" is from 6:00 A.M. to noon, "afternoon" is from noon to 6:00 P.M., and "evening" is from 6:00 P.M. to 6:00 A.M. |
| greeting1 | O | X(38) | C | Display one of the following based on time of day: Morning - blank Afternoon - blank Evening - blank |

Standard Data Elements: Screen PS6001 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|--------|---------|--|
| ins_card1 | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "Please put your card in the slot"</p> <p>CAT/transport - "Please put your card in the slot"</p> <p>DUCAT/transport - "Please put your card in the slot"</p> <p>DUCAT/dip - "Please put your card in the slot"</p> <p>PC CAT - "Please put your card in the slot"</p> |
| ins_card1a | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "to your right and take it out -"</p> <p>CAT/transport - "above."</p> <p>DUCAT/transport - "to your left."</p> <p>DUCAT/dip - "to your left and take it out -"</p> <p>PC CAT - "and take it out - so I can help you."</p> |
| ins_card1b | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "so I can help you."</p> <p>CAT/transport - blank</p> <p>DUCAT/transport - blank</p> <p>DUCAT/dip - "so I can help you."</p> <p>PC CAT - blank</p> |

Standard Data Elements: Screen PS6001 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|--------|---------|---|
| hello2 | O | X(38) | C | If the secondary language of this CAT is English, display one of the following based on time of day: Morning - "Hello - May I help you?" Afternoon - "Hello - May I help you?" Evening - "Hello - May I help you?" Where "morning" is from 6:00 A.M. to noon, "afternoon" is from noon to 6:00 P.M., and "evening" is from 6:00 P.M. to 6:00 A.M. |
| hello2a | O | X(38) | C | Display one of the following based on time of day: Morning - blank Afternoon - blank Evening - blank |
| hello2C | O | C(17) | C | See the appropriate non-English language ICC APS for text to display. |
| ins_card2 | O | X(38) | C | Display one of the following based on the type of CAT hardware in use: CAT/dip - "Please put your card in the slot" CAT/transport - "Please put your card in the slot" DUCAT/transport - "Please put your card in the slot" DUCAT/dip - "Please put your card in the slot" PC CAT - "Please put your card in the slot" |
| ins_card2C | O | C(17) | C | See the appropriate non-English language ICC APS for text to display. |

Standard Data Elements: Screen PS6001 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|--|
| ins_card2a | O | X(38) | C | <p>If the secondary language of this CAT is English, display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "to your right and take it out -"</p> <p>CAT/transport - "above."</p> <p>DUCAT/transport - "to your left."</p> <p>DUCAT/dip - "to your left and take it out -"</p> <p>PC CAT - "and take it out - so I can help you."</p> |
| ins_card2aC | O | C(17) | C | See the appropriate non-English language ICC APS for text to display. |
| ins_card2b | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "so I can help you."</p> <p>CAT/transport - blank</p> <p>DUCAT/transport - blank</p> <p>DUCAT/dip - "so I can help you."</p> <p>PC CAT - blank</p> |
| ins_card2bC | O | C(17) | C | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 8-1.

Screen PS6001A. One Language Hello - Alt

| | |
|--|-----------------------|
| 1111111111222222222233333333334 | |
| 1234567890123456789012345678901234567890 | |
| 1 | 1 |
| 2 | 2 |
| 3 | 3 |
| 4 | 4 |
| 5 | 5 greeting |
| 6 | 6 greeting1 not shown |
| 7 | 7 |
| 8 | 8 ins_card1 |
| 9 | 9 ins_card1a |
| 10 | 10 ins_card1b |
| 11 | 11 |
| 12 | 12 |
| 13 | 13 |
| 14 | 14 |
| 15 | 15 |
| 16 | 16 |
| 17 | 17 |
| 18 | 18 |
| 19 | 19 |
| 20 | 20 |

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|--|
| greeting | O | X(38) | C | Display one of the following based on time of day: Morning- "Hello - May I help you?" Afternoon - "Hello - May I help you?" Evening - "Hello - May I help you?" Where "morning" is from 6:00 A.M. to noon, "afternoon" is from noon to 6:00 P.M., and "evening" is from 6:00 P.M. to 6:00 A.M. |
| greeting1 | O | X(38) | C | Display one of the following based on time of day: Morning - blank Afternoon - blank Evening - blank |

Standard Data Elements: Screen PS60001A (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|--------|---------|--|
| ins_card1 | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "Please put your card in the slot"</p> <p>CAT/transport - "Please put your card in the slot"</p> <p>DUCAT/transport - "Please put your card in the slot"</p> <p>DUCAT/dip - "Please put your card in the slot"</p> <p>PC CAT - "Please put your card in the slot"</p> |
| ins_card1a | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "to your right and take it out -"</p> <p>CAT/transport - "above."</p> <p>DUCAT/transport - "to your left."</p> <p>DUCAT/dip - "to your left and take it out -"</p> <p>PC CAT - "and take it out - so I can help you."</p> |
| ins_card1b | O | X(38) | C | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "so I can help you."</p> <p>CAT/transport - blank</p> <p>DUCAT/transport - blank</p> <p>DUCAT/dip - "so I can help you."</p> <p>PC CAT - blank</p> |

Screen Transition: See Figure 8-1.

Screen PS6002. Hello with Button - Two Languages

```

11111111111222222222233333333334.
1234567890123456789012345678901234567890
+-----+
1      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
2      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
3      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
4      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
5      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
6      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
7      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
8      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
9      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
10     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
11     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
12     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
13     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
14     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
15     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
16     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
17     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
18     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
19     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
20     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|--|
| greeting | O | X(38) | C | Display one of the following based on time of day: Morning - "Hello - May I help you?" Afternoon - "Hello - May I help you?" Evening - "Hello - May I help you?" Where "morning" is from 6:00 AM to noon, "afternoon" is from noon to 6:00 PM, and "evening" is from 6:00 PM to 6:00 AM. |
| greeting1 | O | X(38) | C | Display one of the following based on time of day: Morning - blank Afternoon - blank Evening - blank |

Standard Data Elements: Screen PS6002 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|---|
| hello2 | O | X(38) | C | If the secondary language of this CAT is English, display one of the following based on time of day: Morning - "Hello - May I help you?" Afternoon - "Hello - May I help you?" Evening - "Hello - May I help you?" |
| hello2a | O | X(38) | C | Display one of the following based on time of day: Morning - blank Afternoon - blank Evening - blank |
| hello2C | O | C(17) | C | See the appropriate non-English language ICC APS for text to display. |
| ins_card2 | O | X(38) | C | If the secondary language of this CAT is English, display "Please put your card in the slot". |
| ins_card2C | O | C(17) | C | See the appropriate non-English language ICC APS for text to display. |
| ins_card2a | O | X(38) | C | If the secondary language of this CAT is English, display "and take it out - so I can help you." |
| ins_card2aC | O | C(17) | C | See the appropriate non-English language ICC APS for text to display. |
| ins_card2b | O | X(39) | C | If the secondary language of this CAT is English, display blank. |
| ins_card2bC | O | C(17) | C | See the appropriate non-English language ICC APS for text to display. |
| no_card | O | X(45) | L | If the secondary language of this CAT is English, display "Touch here if you don't have your card." |
| no_cardC | O | C(16) | L | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 8-1.

Screen PS6002A. Hello With Button - One Language

```
111111111122222222223333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 |                                     | 6
7 |      Hello - May I help you?      | 7
8 |                                     | 8
9 |                                     | 9
10 |      Please put your card in the slot | 10
11 |      and take it out - so I can help you. | 11
12 |                                     | 12
13 |                                     | 13
14 |                                     | 14
15 |                                     | 15
16 |                                     | 16
17 |      +----+                       | 17
18 |      +----+ Touch here if you don't have your card. | 18
19 |                                     | 19
20 |      © Citicorp 1990, 1995        | 20
+-----+
```

Screen Transition: See Figure 8-1.

Screen PS6004. Can't Read Card - Two Languages

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 | I'm sorry. I can't read your card | 3
4 | right now.                         | 4
5 |                                     | 5
6 |                                     | 6
7 |                                     | 7
8 |                                     | 8
9 |                                     | 9
10 |                                    | 10
11 |                                    | 11
12 |                                    | 12
13 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 13 cant_read1/cant_read1C
14 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 14 cant_read1a/cant_read1aC
15 |                                    | 15
16 |                                    | 16
17 |                                    | 17
18 |                                    | 18
19 |                                    | 19
20 |                                    | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|--------------|-----|--------|---------|--|
| cant_read1 | O | X(38) | L | If the secondary language of this CAT is English, display "I'm sorry. I can't read your card". |
| cant_read1C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| cant_read1a | O | X(38) | L | If the secondary language of this CAT is English, display "right now." |
| cant_read1aC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 2-1a.

Screen PS6004A. Can't Read Card - One Language

```
111111111122222222223333333334
123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 |                                     | 6
7 |                                     | 7
8 |                                     | 8
9 | I'm sorry.  I can't read your card | 9
10| right now.                               | 10
11|                                     | 11
12|                                     | 12
13|                                     | 13
14|                                     | 14
15|                                     | 15
16|                                     | 16
17|                                     | 17
18|                                     | 18
19|                                     | 19
20|                                     | 20
+-----+
```

Screen Transition: See Figure 8-1a.

Screen PS6005. Card Not Supported - Two Languages

```

111111111122222222223333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     1 |
2 |                                     2 |
3 | I'm sorry. I can't handle this card 3 |
4 | yet.                                4 |
5 |                                     5 |
6 |                                     6 |
7 |                                     7 |
8 |                                     8 |
9 |                                     9 |
10 |                                    10 |
11 |                                    11 |
12 |                                    12 |
13 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX 13 bad_card1/bad_card1C
14 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX 14 bad_card1a/bad_card1aC
15 |                                    15 |
16 |                                    16 |
17 |                                    17 |
18 |                                    18 |
19 |                                    19 |
20 |                                    20 |
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|--|
| bad_card1 | O | X(38) | L | If the secondary language of this CAT is English, display "I'm sorry. I can't handle this card". |
| bad_card1C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| bad_card1a | O | X(38) | L | If the secondary language of this CAT is English, display "yet." |
| bad_card1aC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 2-1a.

Screen PS6005A. Card Not Supported - One Language

```
111111111122222222223333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 |                                     | 6
7 |                                     | 7
8 |                                     | 8
9 | I'm sorry. I can't handle this card | 9
10| yet.                               | 10
11|                                   | 11
12|                                   | 12
13|                                   | 13
14|                                   | 14
15|                                   | 15
16|                                   | 16
17|                                   | 17
18|                                   | 18
19|                                   | 19
20|                                   | 20
+-----+
```

Screen Transition: See Figure 2-1a.

Screen PS6006. Card Not Taken - Two Languages

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 | I'm sorry. You haven't taken your | 1
2 | card. I'm holding your card for | 2
3 | your protection. | 3
4 | | 4
5 | | 5
6 | | 6
7 | | 7
8 | | 8
9 | | 9
10 | | 10
11 | | 11
12 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 12 not_taken1/not_taken1C
13 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 13 not_taken1a/not_taken1aC
14 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 14 not_taken1b/not_taken1bC
15 | | 15
16 | | 16
17 | | 17
18 | | 18
19 | | 19
20 | | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|--------------|-----|--------|---------|---|
| not_taken1 | O | X(38) | L | If the secondary language of this CAT is English, then display "I'm sorry. You haven't taken your". |
| not_taken1C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| not_taken1a | O | X(38) | L | If the secondary language of this CAT is English, display "card. I'm holding your card for". |
| not_taken1aC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| not_taken1b | O | X(38) | L | If the secondary language of this CAT is English, display "your protection." |
| not_taken1bC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 8-6.

Screen PS6006A. Card Not Taken - One Language

```
111111111122222222223333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 |                                     | 6
7 |                                     | 7
8 |                                     | 8
9 | I'm sorry. You haven't taken your | 9
10| card. I'm holding your card for   | 10
11| your protection.                  | 11
12|                                   | 12
13|                                   | 13
14|                                   | 14
15|                                   | 15
16|                                   | 16
17|                                   | 17
18|                                   | 18
19|                                   | 19
20|                                   | 20
+-----+
```

Screen Transition: See Figure 8-6.

Screen PS6007. Out of Service - Two Languages

```

1111111111222222222233333333334
123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 | I'm sorry. I can't help you right now. | 4
5 | Please try again later.                | 5
6 |                                     | 6
7 |                                     | 7
8 |                                     | 8
9 |                                     | 9
10|                                     | 10
11|                                     | 11
12|                                     | 12
13| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 13 oos1/oos1C
14| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 14 oos1a/oos1aC
15| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 15 oos1b/oos1bC
16|                                     | 16
17|                                     | 17
18|                                     | 18
19|                                     | 19
20|                                     | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|--|
| oos1 | O | X(38) | L | If the secondary language of this CAT is English, display "I'm sorry. I can't help you right now." |
| oos1C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| oos1a | O | X(38) | L | If the secondary language of this CAT is English, display "Please try again later." |
| oos1aC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| oos1b | O | X(38) | L | If the secondary language of this CAT is English, leave blank. |
| oos1bC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 8-3.

Screen PS6007A. Out of Service - One Language

```
1111111111222222222233333333334
1234567890123456789012345678901234567890

+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 |                                     | 6
7 |                                     | 7
8 |                                     | 8
9 | I'm sorry. I can't help you right now. | 9
10|                                     | 10
11| Please try again later.               | 11
12|                                     | 12
13|                                     | 13
14|                                     | 14
15|                                     | 15
16|                                     | 16
17|                                     | 17
18|                                     | 18
19|                                     | 19
20|                                     | 20
+-----+
```

Screen Transition: See Figure 8-3.

Screen PS6008. Temporary Delays - Two Languages

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 | I'm sorry. We are having some    | 3
4 | temporary delays. Please wait a few | 4
5 | moments and try again.           | 5
6 |                                     | 6
7 |                                     | 7
8 |                                     | 8
9 |                                     | 9
10 |                                    | 10
11 |                                    | 11
12 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 12 delays1/delays1C
13 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 13 delays1a/delays1aC
14 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 14 delays1b/delays1bC
15 |                                    | 15
16 |                                    | 16
17 |                                    | 17
18 |                                    | 18
19 |                                    | 19
20 |                                    | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|--|
| delays1 | O | X(38) | L | If the secondary language of this CAT is English, display "I'm sorry. We are having some". |
| delays1C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| delays1a | O | X(38) | L | If the secondary language of this CAT is English, display "temporary delays. Please wait a few". |
| delays1aC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| delays1b | O | X(38) | L | If the secondary language of this CAT is English, display "moments and try again." |
| delays1bC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 8-3.

Screen PS6008A. Temporary Delays - Two Languages

```
111111111122222222223333333334
123456789012345678901234567890
+-----+
1 |      1 |
2 |      2 |
3 |      3 |
4 |      4 |
5 |      5 |
6 |      6 |
7 |      7 |
8 | I'm sorry. We are having some | 8 |
9 | temporary delays.             | 9 |
10|                                |10|
11| Please wait a few moments and  |11|
12| try again.                     |12|
13|                                |13|
14|                                |14|
15|                                |15|
16|                                |16|
17|                                |17|
18|                                |18|
19|                                |19|
20|                                |20|
+-----+
```

Screen Transition: See Figure 8-3.

Screen PS6009. Can't Return Card - Two Languages

```

111111111122222222223333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 | I'm sorry.  I can't return your card | 3
4 | right now..                               | 4
5 |                                     | 5
6 | Please use the phone next to you         | 6
7 | to call Customer Service.               | 7
8 |                                     | 8
9 |                                     | 9
10|                                     | 10
11|                                     | 11
12| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 12 cant_return1/cant_return1C
13| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 13 cant_return1a/cant_return1aC
14|                                     | 14
15| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 15 call_cs1/call_cs1C
16| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 16 call_cs1a/call_cs1aC
17| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 17 call_cs1b/call_cs1bC
18|                                     | 18
19|                                     | 19
20|                                     | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|----------------|-----|--------|---------|--|
| cant_return1 | O | X(38) | L | If the secondary language of this CAT is English, display "I'm sorry. I can't return your card". |
| cant_return1C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| cant_return1a | O | X(38) | L | If the secondary language of this CAT is English, display "right now..". |
| cant_return1aC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| call_cs1 | O | X(38) | L | If the secondary language of this CAT is English, display "Please use the phone next to you". |
| call_cs1C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Standard Data Elements: Screen PS6009 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|--------|---------|---|
| call_cs1a | O | X(38) | L | If the secondary language of this CAT is English, display "to call Customer Service." |
| call_cs1aC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| call_cs1b | O | X(38) | L | If the secondary language of this CAT is English, leave blank. |
| call_cs1bC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 8-5.

Screen PS6009A. Can't Return Card - One Language

111111111122222222223333333334
1234567890123456789012345678901234567890

| | | |
|----|-------------------------------------|----|
| 1 | | 1 |
| 2 | | 2 |
| 3 | | 3 |
| 4 | | 4 |
| 5 | | 5 |
| 6 | I'm sorry. I can't return your card | 6 |
| 7 | right now. | 7 |
| 8 | | 8 |
| 9 | Please use the phone next to you | 9 |
| 10 | to call Customer Service. | 10 |
| 11 | | 11 |
| 12 | | 12 |
| 13 | | 13 |
| 14 | | 14 |
| 15 | | 15 |
| 16 | | 16 |
| 17 | | 17 |
| 18 | | 18 |
| 19 | | 19 |
| 20 | | 20 |

Screen Transition: See Figure 8-5.

Screen PS6010. Please Take Your Card - Two Languages

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 | Please take your card.           | 6
7 |                                     | 7
8 |                                     | 8
9 |                                     | 9
10 |                                    | 10
11 |                                    | 11
12 |                                    | 12
13 |XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX| 13 take_card1/take_card1C
14 |                                    | 14
15 |                                    | 15
16 |                                    | 16
17 |                                    | 17
18 |                                    | 18
19 |                                    | 19
20 |                                    | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|--|
| take_card1 | O | X(38) | C | If the secondary language of this CAT is English, display "Please take your card." |
| take_card1C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 8-2.

Screen PS6010A. Please Take Your Card - One Language

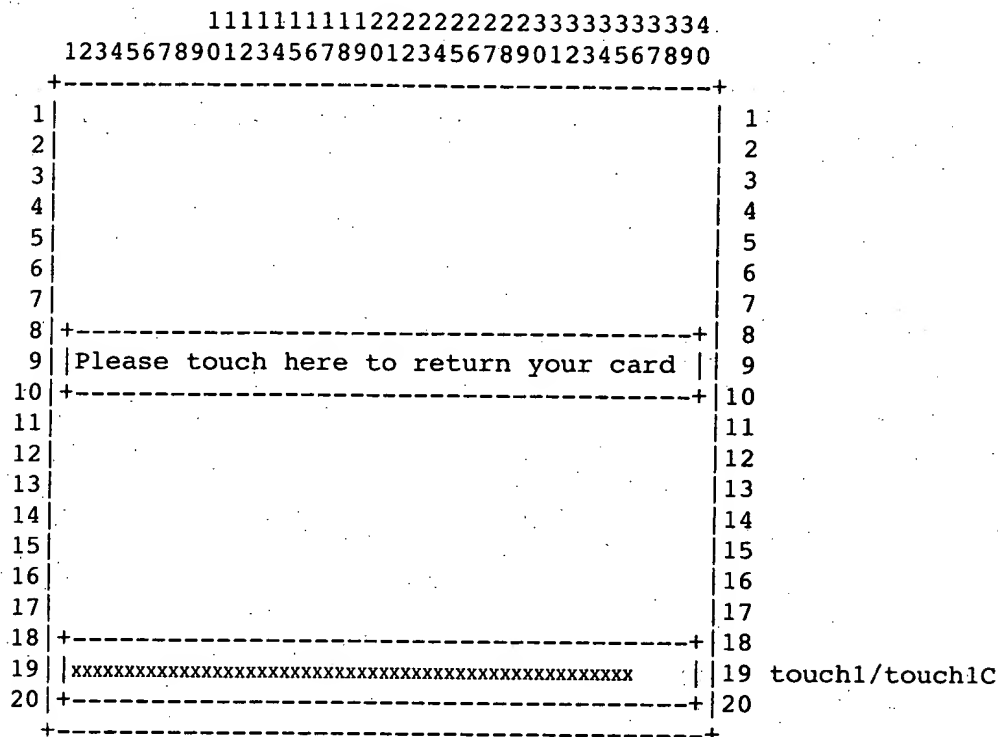
| | | |
|--|------------------------|----|
| 111111111122222222223333333334 | | |
| 1234567890123456789012345678901234567890 | | |
| 1 | | 1 |
| 2 | | 2 |
| 3 | | 3 |
| 4 | | 4 |
| 5 | | 5 |
| 6 | | 6 |
| 7 | | 7 |
| 8 | | 8 |
| 9 | | 9 |
| 10 | Please take your card. | 10 |
| 11 | | 11 |
| 12 | | 12 |
| 13 | | 13 |
| 14 | | 14 |
| 15 | | 15 |
| 16 | | 16 |
| 17 | | 17 |
| 18 | | 18 |
| 19 | | 19 |
| 20 | | 20 |

Screen Transition: See Figure 8-2.

Overlay PS6011. Blank

| | |
|--|----|
| 1111111111222222222233333333334 | |
| 1234567890123456789012345678901234567890 | |
| 1 | 1 |
| 2 | 2 |
| 3 | 3 |
| 4 | 4 |
| 5 | 5 |
| 6 | 6 |
| 7 | 7 |
| 8 | 8 |
| 9 | 9 |
| 10 | 10 |
| 11 | 11 |
| 12 | 12 |
| 13 | 13 |
| 14 | 14 |
| 15 | 15 |
| 16 | 16 |
| 17 | 17 |
| 18 | 18 |
| 19 | 19 |
| 20 | 20 |

Screen Transition: See Figure 8-2.

Overlay PS6012. Touch to Return Card - Two Languages**Standard Data Elements**

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|--|
| touch1 | O | X(51) | C | If the secondary language of this CAT is English, display "Please touch here to return your card". |
| touch1C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 8-2.

Overlay PS6012A. Touch to Return Card - Two Languages

1111111111222222222233333333334
1234567890123456789012345678901234567890

| | | |
|----|---------------------------------------|----|
| 1 | | 1 |
| 2 | | 2 |
| 3 | | 3 |
| 4 | | 4 |
| 5 | | 5 |
| 6 | | 6 |
| 7 | | 7 |
| 8 | | 8 |
| 9 | | 9 |
| 10 | | 0 |
| 11 | | 11 |
| 12 | | 12 |
| 13 | | 13 |
| 14 | | 14 |
| 15 | | 15 |
| 16 | | 16 |
| 17 | | 17 |
| 18 | | 18 |
| 19 | Please touch here to return your card | 19 |
| 20 | | 20 |

Screen Transition: See Figure 8-2.

Screen PS6013. Application Error - Two Languages

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |      | 1 |
2 |      | 2 |
3 | I'm sorry. I can't do that right now. | 3 |
4 |      | 4 |
5 |      | 5 |
6 |      | 6 |
7 |      | 7 |
8 |      | 8 |
9 |      | 9 |
10 |     | 10 |
11 |     | 11 |
12 |     | 12 |
13 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 13 error1/error1C
14 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 14 error1a/error1aC
15 |     | 15 |
16 |     | 16 |
17 |     | 17 |
18 |     | 18 |
19 |     | 19 |
20 |     | 20 |
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|---|
| error1 | O | X(38) | L | If the secondary language of this CAT is English, display "I'm sorry. I can't do that right now." |
| error1C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| error1a | O | X(38) | L | If the secondary language of this CAT is English, leave blank. |
| error1aC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 8-7.

Screen PS6013A. Application Error - One Language

```
1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 |                                     | 6
7 |                                     | 7
8 |                                     | 8
9 |                                     | 9
10 | I'm sorry. I can't do that right now. | 10
11 |                                     | 11
12 |                                     | 12
13 |                                     | 13
14 |                                     | 14
15 |                                     | 15
16 |                                     | 16
17 |                                     | 17
18 |                                     | 18
19 |                                     | 19
20 |                                     | 20
+-----+
```

Screen Transition: See Figure 8-7.

Screen PS6014. Please Take Card Out - Two Languages

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 | Please take your card out -      | 3
4 | so I can help you.                | 4
5 |                                     | 5
6 |                                     | 6
7 |                                     | 7
8 |                                     | 8
9 |                                     | 9
10 |                                    | 10
11 |                                    | 11
12 |                                    | 12
13 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 13 take_out1/take_out1C
14 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 14 take_out1a/take_out1aC
15 |                                    | 15
16 |                                    | 16
17 |                                    | 17
18 |                                    | 18
19 |                                    | 19
20 |                                    | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|---|
| take_out1 | O | X(38) | L | If the secondary language of this CAT is English, display "Please take your card out -" |
| take_out1C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| take_out1a | O | X(38) | L | If the secondary language of this CAT is English, display "so I can help you." |
| take_out1aC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 8-1.

Comments: This screen should "boop" once per second until either the card is removed or it times out after 17.5 seconds.

Screen PS6014A. Please Take Card Out - One Language

| | | |
|----|--|----|
| | 111111111122222222223333333334 | |
| | 1234567890123456789012345678901234567890 | |
| 1 | <div style="border: 1px dashed black; padding: 10px; text-align: center;">Please take your card out - so I can help you.</div> | 1 |
| 2 | | 2 |
| 3 | | 3 |
| 4 | | 4 |
| 5 | | 5 |
| 6 | | 6 |
| 7 | | 7 |
| 8 | | 8 |
| 9 | | 9 |
| 10 | | 10 |
| 11 | | 11 |
| 12 | | 12 |
| 13 | | 13 |
| 14 | | 14 |
| 15 | | 15 |
| 16 | | 16 |
| 17 | | 17 |
| 18 | | 18 |
| 19 | | 19 |
| 20 | | 20 |

Screen Transition: See Figure 8-1.

Comments: This screen should “boop” once per second until either the card is removed or it times out after 17.5 seconds.

Screen PS6015. Second Take Out Card - Two Languages

```

1111111111222222222233333333334
1234567890123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 | I'm sorry. I can't help you while | 3
4 | your card is in the slot.         | 4
5 |                                     | 5
6 | Please take your card out so we   | 6
7 | can start again.                  | 7
8 |                                     | 8
9 |                                     | 9
10|                                     | 10
11|                                     | 11
12| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 12 cant_help1/cant_help1C
13| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 13 cant_help1a/cant_help1aC
14|                                     | 14
15| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 15 start_again1/start_again1C
16| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 16 start_again1a/start_again1aC
17|                                     | 17
18|                                     | 18
19|                                     | 19
20|                                     | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|---------------|-----|--------|---------|--|
| cant_help1 | O | X(38) | L | If the secondary language of this CAT is English, display "I'm sorry. I can't help you while". |
| cant_card1C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| cant_help1a | O | X(38) | L | If the secondary language of this CAT is English, display "your card is in the slot.". |
| cant_help1aC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| start_again1 | O | X(38) | L | If the secondary language of this CAT is English, display "Please take your card out so we". |
| start_again1C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Standard Data Elements: Screen PS6015 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|----------------|-----|--------|---------|--|
| start_again1a | O | X(38) | L | If the secondary language of this CAT is English, display "can start again." |
| start_again1aC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 8-1.

Comments: No "booping"; timeout is 120 seconds.

Screen PS6015A. Second Take Out Card - One Language

111111111122222222223333333334
1234567890123456789012345678901234567890

| | | |
|----|-----------------------------------|----|
| 1 | | 1 |
| 2 | | 2 |
| 3 | | 3 |
| 4 | | 4 |
| 5 | | 5 |
| 6 | | 6 |
| 7 | | 7 |
| 8 | I'm sorry. I can't help you while | 8 |
| 9 | your card is in the slot. | 9 |
| 10 | | 10 |
| 11 | Please take your card out so we | 11 |
| 12 | can start again. | 12 |
| 13 | | 13 |
| 14 | | 14 |
| 15 | | 15 |
| 16 | | 16 |
| 17 | | 17 |
| 18 | | 18 |
| 19 | | 19 |
| 20 | | 20 |

Screen Transition: See Figure 8-1.

Comments: No "booping"; timeout is 120 seconds.

Screen PS6016. Bad Read, Please Re-Dip - Two Languages

```

1111111111222222222233333333334
123456789012345678901234567890
+-----+
1 |                                     1
2 |                                     2
3 | I'm sorry. I couldn't read your card 3
4 | that time.                           4
5 |                                     5
6 | Please put your card in the slot      6
7 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX 7 ins_card1a
8 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX 8 ins_card1b
9 |                                     9
10 |                                    10
11 |                                    11
12 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX 12 couldnt_read1/couldnt_read1C
13 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX 13 couldnt_read1a/couldnt_read1aC
14 |                                    14
15 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX 15 ins_card2/ins_card2C
16 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX 16 ins_card2a/ins_card2aC
17 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX 17 ins_card2b/ins_card2bC
18 |                                    18
19 |                                    19
20 |                                    20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|--------|---------|--|
| ins_card1a | O | X(38) | L | <p>Display one of the following based on the type of CAT hardware in use:</p> <p>CAT/dip - "to your right and take it out -"</p> <p>CAT/transport - "above."</p> <p>DUCAT/transport - "to your left."</p> <p>DUCAT/dip - "to your left and take it out -"</p> <p>PC CAT - "and take it out - so I can help you."</p> |

Standard Data Elements: Screen PS6016 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------------|-----|--------|---------|---|
| ins_card1b | O | X(38) | L | Display one of the following based on the type of CAT hardware in use: CAT/dip - "so I can help you." CAT/transport - blank DUCAT/transport - blank DUCAT/dip - "so I can help you." PC CAT - blank |
| couldnt_read1 | O | X(38) | L | If the secondary language of this CAT is English, display "I'm sorry. I couldn't read your card". |
| couldnt_read1C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| couldnt_read1a | O | X(38) | L | If the secondary language of this CAT is English, display "that time". |
| couldnt_read1aC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| ins_card2 | O | X(38) | L | If the secondary language of this CAT is English, display "Please put your card in the slot". |
| ins_card2C | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |
| ins_card2a | O | X(38) | L | If the secondary language of this CAT is English, display one of the following based on the type of CAT hardware in use: CAT/dip - "to your right and take it out -" CAT/transport - "above." DUCAT/transport - "to your left." DUCAT/dip - "to your left and take it out -" PC CAT - "and take it out - so I can help you." |
| ins_card2aC | O | C(17) | L | See the appropriate non-English language ICC APS for text to display. |

Standard Data Elements: Screen PS6016 (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|-------------|-----|--------|---------|--|
| ins_card2b | O | X(38) | L | Display one of the following based on the type of CAT hardware in use: CAT/dip - "so I can help you." CAT/transport - blank DUCAT/transport - blank DUCAT/dip - "so I can help you." PC CAT - blank |
| ins_card2bC | O | C(17) | V | See the appropriate non-English language ICC APS for text to display. |

Screen Transition: See Figure 2-1a.

Comments: Screen should "boop" once when first presented. Timeout is 7 seconds.

Screen PS6016A. Bad Read, Please Re-Dip - One Language

```

111111111122222222223333333334
123456789012345678901234567890
+-----+
1 |                                     | 1
2 |                                     | 2
3 |                                     | 3
4 |                                     | 4
5 |                                     | 5
6 |                                     | 6
7 |                                     | 7
8 | I'm sorry. I couldn't read your card | 8
9 | that time.                          | 9
10|                                     | 10
11| Please put your card in the slot    | 11
12| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 12 ins_cardla
13| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 13 ins_cardlb
14|                                     | 14
15|                                     | 15
16|                                     | 16
17|                                     | 17
18|                                     | 18
19|                                     | 19
20|                                     | 20
+-----+

```

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|--------|---------|---|
| ins_cardla | O | X(38) | L | Display one of the following based on the type of CAT hardware in use: CAT/dip - "to your right and take it out -" CAT/transport - "above." DUCAT/transport - "to your left." DUCAT/dip - "to your left and take it out -" PC CAT - "and take it out - so I can help you." |

Standard Data Elements: Screen PS6016A (cont)

| Data Name | I/O | Format | L-C-R-V | Comments |
|------------|-----|--------|---------|--|
| ins_card1b | O | X(38) | L | Display one of the following based on the type of CAT hardware in use: CAT/dip - "so I can help you." CAT/transport - blank DUCAT/transport - blank DUCAT/dip - "so I can help you." PC CAT - blank |

Screen Transition: See Figure 2-1a.

Comments: Screen should "boop" once when first presented. Timeout is 7 seconds.

Screen PS6017. Enter Card Number

```

1111111111222222222233333333334
123456789012345678901234567890

```

| | | | | | |
|----|----------------------------------|---|---|-------|-----------|
| 1 | | | | | 1 |
| 2 | Please tell me your card number. | | | | 2 |
| 3 | Then touch ENTER. | | | | 3 |
| 4 | (Touch CLEAR to erase.) | | | | 4 |
| 5 | +-----+ | | | | 5 |
| 6 | ----- | | | | 6 card_id |
| 7 | +---+---+---+---+ | | | | 7 |
| 8 | | | | | 8 |
| 9 | 1 | 2 | 3 | | 9 |
| 10 | | | | | 10 |
| 11 | +---+---+---+---+ | | | ENTER | 11 |
| 12 | | | | | 12 |
| 13 | 4 | 5 | 6 | | 13 |
| 14 | | | | | 14 |
| 15 | +---+---+---+---+ | | | | 15 |
| 16 | | | | CLEAR | 16 |
| 17 | 7 | 8 | 9 | | 17 |
| 18 | +---+---+---+---+ | | | | 18 |
| 19 | | 0 | | EXIT | 19 |
| 20 | +---+---+---+---+ | | | | 20 |

Standard Data Elements

| Data Name | I/O | Format | L-C-R-V | Comments |
|-----------|-----|--------|---------|---|
| card_id | I | 9(19) | L | Must be ≥ 6 and ≤ 19 digits. As the number is entered, display the digits from left to right. |

Screen Transition: See Figure 8-9.

PRC PS6025. Off-Us Local Processing

Screen Transition: See Figure 2-1a.

Comments: At this point to which the ICC Generic Product Select application returns if it cannot process a card.

The main purpose of this entry point is to allow local Off-Us processing of cards that are either not recognized by ICC or recognized as local Off-Us by ICC.

For ICC Standalone applications, there is no local Off-Us support, so it is expected that the ICC Generic Product Select application would return a card class of "unsupported". If so, the unsupported card error screen is displayed and the session is ended, returning the card if necessary.

If any other card class is returned, it is treated as a bad card read.

Appendix A

ICC Card Prefix Table

Most of the values in the Card Prefix File are assigned by TTI.

This chapter details only those items which are assigned by the Consumer Product Development Group.

The following codes in Table A-1 are valid entries in the four Base_Lang_Cde/Lang_Cde fields.

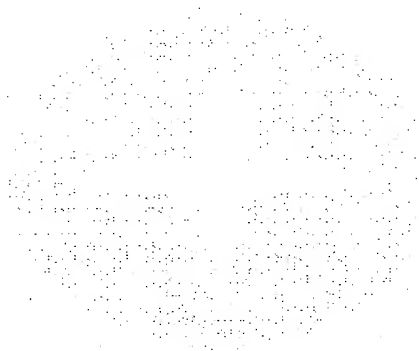
Table A-1. Valid Base_Lang_Cde and Lang_Cde Field Entries

| Base_Lang_Cde | Lang_Cde | Description |
|---------------|----------|--------------------------------------|
| 01 | 01 | U.S. English |
| 02 | 02 | Master Spanish |
| 03 | 03 | Master Chinese (Standard Characters) |
| 04 | 04 | German |
| 05 | 05 | Italian |
| 06 | 06 | French |
| 07 | 07 | Greek |
| 08 | 08 | Filipino |
| 09 | 09 | Malay |
| 10 | 10 | Japanese |
| 11 | 11 | Turkish |
| 12 | 12 | Arabic |
| 13 | 13 | Hangul (Korean) |
| 14 | 14 | Russian |
| 03 | 15 | Chinese (Simplified Characters) |

Appendix B

Currency Code Information

The ICC applications use the currency codes assigned by the International Organization for Standardization (ISO). This standard is defined in ISO 4217:1987 (E/F). All ESP messages use the **alphabetic** representation of the currency code. How currencies should be formatted on screen displays and printed records is defined in Appendix NO TAG .



Appendix C

General Formats

This chapter details the currency and the date formatting used by the Global ICC application.

C.1 Currency Formatting

The Currency Format table is only required by versions of the ICC application prior to Global ICC (Phase 5). However, this table will remain in the APS until Global ICC has been implemented in all locations, completely replacing all previous versions of ICC.

Table C-1 details how each of the ISO currencies should be formatted, and indicates the number of decimal places supported for each currency, and the character to use as the decimal separator.

NOTE

For a format that includes asterisks (*), substitute the characters indicated as "Desc" for the leftmost asterisk.

Table C-1. Currency Formats

| ISO Code | Desc | Dec. Places | Thous. Sep. | Dec. Point Indic. | "Z" Format | "\$" Format | "W" Format |
|----------|----------|-------------|-------------|-------------------|---------------------|-----------------------|-------------|
| ADP | "ADP " | 0 | period | none | ZZ.ZZZ.ZZZ.ZZZ.ZZ9- | ***.***.***.***.***9- | **.*.*.*9 |
| AED | "Dh. " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,***9 |
| AFA | "Af " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,***9 |
| ALL | "ALL " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| ANG | "ANG " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,***9 |
| AOK | "Kz " | 0 | comma | none | ZZ,ZZZ,ZZZ,ZZZ,ZZ9- | ***,***,***,***,***9- | **.*.*.*9 |
| AON | "AON " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,***9 |
| ARA | "Ar\$ " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| ARP | "Ar\$ " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| ARS | "Ar\$ " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| ATS | "ATS " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.99- | ****.***.***.***9.99- | **.*.*.*9 |
| AUD | "A\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,***9 |
| AWG | "AWG " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,***9 |
| BBD | "Bds\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,***9 |
| BDT | "Tk " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,***9 |
| BEC | "BEC " | 0 | period | none | ZZ.ZZZ.ZZZ.ZZZ.ZZ9- | ***.***.***.***.***9- | **.*.*.*9 |
| BEF | "BEF " | 0 | period | none | ZZ.ZZZ.ZZZ.ZZZ.ZZ9- | ***.***.***.***.***9- | **.*.*.*9 |
| BEL | "BEL " | 0 | period | none | ZZ.ZZZ.ZZZ.ZZZ.ZZ9- | ***.***.***.***.***9- | **.*.*.*9 |
| BGL | "BGL " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| BHD | "BD " | 3 | comma | period | ZZ,ZZZ,ZZZ,ZZZ.ZZ9- | ***,***,***,***9.999- | **,***,***9 |
| BIF | "FBu " | 0 | comma | none | ZZ,ZZZ,ZZZ,ZZZ,ZZ9- | ***,***,***,***,***9- | **.*.*.*9 |
| BMD | "\$B " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,***9 |
| BND | "B\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,***9 |
| BOB | "\$b " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,***9 |
| BRC | "R\$ " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| BRL | "R\$ " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| BSD | "B\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,***9 |
| BTN | "N " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,***9 |
| BUK | "BuK " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,***9 |
| BWP | "BwP " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,***9 |
| BZD | "\$B " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,***9 |
| CAD | "C\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.99- | ****,***,***,***9.99- | **,***,***9 |
| CEK | "CEK " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| CHF | "CHF " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.99- | ****.***.***.***9.99- | **.*.*.*9 |

STR 45095-S

STR 48543-S

Table C-1. Currency Formats

| ISO Code | Desc | Dec. Places | Thous. Sep. | Dec. Point Indic. | "Z" Format | "\$" Format | "W" Format |
|----------|----------|-------------|-------------|-------------------|---------------------|----------------------|------------|
| CLF | "Ch\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| CLP | "Ch\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| CNY | "RMB " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ***,***,***,**9.99- | **,**,**9 |
| COP | "Col\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| CRC | "¢ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | cccc,ccc,ccc,cc9.99- | cc,ccc,cc9 |
| CUP | "Cu\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| CVE | "Esc " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| CYP | "£C " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| CZK | "CZK " | 2 | period | comma | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| DEM | "DM " | 2 | period | comma | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| DJF | "DF " | 0 | comma | none | ZZ,ZZZ,ZZZ,ZZZ.Z9- | ***,***,***,**9- | **,**,**9 |
| DKK | "DKK " | 2 | period | comma | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| DOP | "RD\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| DZD | "DA " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| ECS | "S/ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| EEK | "EEK " | 2 | period | comma | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| EGP | "£E " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| ESB | "ESB " | 0 | period | none | ZZ,ZZZ,ZZZ,ZZZ.Z9- | ***,***,***,**9- | **,**,**9 |
| ESP | "PTS " | 0 | period | none | ZZ,ZZZ,ZZZ,ZZZ.Z9- | ***,***,***,**9- | **,**,**9 |
| ETB | "EB " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| FIM | "FIM " | 2 | period | comma | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| FJD | "\$F " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| FKP | "FK£ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| FRF | "FRF " | 2 | period | comma | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| GBP | "£ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| GEK | "GEK " | 0 | period | none | ZZ,ZZZ,ZZZ,ZZZ.Z9- | ***,***,***,**9- | **,**,**9 |
| GHC | "C " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| GIP | "GIP " | 2 | period | comma | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| GMD | "DD " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| GNF | "GnF " | 0 | comma | none | ZZ,ZZZ,ZZZ,ZZZ.Z9- | ***,***,***,**9- | **,**,**9 |
| GRD | "GRD " | 0 | period | none | ZZ,ZZZ,ZZZ,ZZZ.Z9- | ***,***,***,**9- | **,**,**9 |
| GTQ | "Q " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| GWP | "GWP " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |
| GYD | "G\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,**9.99- | **,**,**9 |

STR 45095-S
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Table C-1. Currency Formats

| ISO Code | Desc | Dec. Places | Thous. Sep. | Dec. Point Indic. | "Z" Format | "\$" Format | "W" Format |
|----------|---------|-------------|-------------|-------------------|---------------------|-----------------------|------------|
| HKD | "HK\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,**,***9 |
| HNL | "L " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,**,***9 |
| HRK | "HRK " | 2 | period | comma | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,**,***9 |
| HTG | "G " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,**,***9 |
| HUF | "HUF " | 2 | period | comma | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,**,***9 |
| IDR | "Rp. " | 2 | period | comma | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,**,***9 |
| IEP | "IEP " | 2 | period | comma | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,**,***9 |
| ILS | "₪ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,**,***9 |
| INR | "Rs " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,**,***9 |
| IQD | "ID " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,**,***9 |
| IRR | "RIs " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,**,***9 |
| ISK | "ISK " | 2 | period | comma | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,**,***9 |
| ITL | "ITL " | 0 | period | none | ZZ,ZZZ,ZZZ,ZZZ.ZZ9- | ***,***,***,***9.99- | **,**,***9 |
| JMD | "J\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,**,***9 |
| JOD | "JD " | 3 | comma | period | ZZ,ZZZ,ZZZ,ZZZ.ZZ9- | ***,***,***,***9.999- | **,**,***9 |
| JPY | "¥ " | 0 | comma | none | ZZ,ZZZ,ZZZ,ZZZ.ZZ9- | YY,YY,YY,YY,YY9- | YY,YY,YY9 |
| KES | "KSh " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,**,***9 |
| KGS | "KGS " | 2 | period | comma | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,**,***9 |
| KHR | "KR " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,**,***9 |
| KMF | "CAF " | 0 | comma | none | ZZ,ZZZ,ZZZ,ZZZ.ZZ9- | ***,***,***,***9.99- | **,**,***9 |
| KPW | "KPW " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,**,***9 |
| KRW | "₩ " | 0 | comma | none | ZZ,ZZZ,ZZZ,ZZZ.ZZ9- | ***,***,***,***9.99- | **,**,***9 |
| KWD | "KD " | 3 | comma | period | ZZ,ZZZ,ZZZ,ZZZ.ZZ9- | ***,***,***,***9.999- | **,**,***9 |
| KYD | "KYD " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,**,***9 |
| KZT | "KZT " | 2 | period | comma | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,**,***9 |
| LAK | "LaK " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,**,***9 |
| LBP | "LL " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,**,***9 |
| LKR | "CRs " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,**,***9 |
| LRD | "Li\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,**,***9 |
| LSL | "LSL " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,**,***9 |
| LTL | "LTL " | 2 | period | comma | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,**,***9 |
| LIT | "LIT " | 2 | period | comma | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,**,***9 |
| LUC | "LUC " | 0 | period | none | ZZ,ZZZ,ZZZ,ZZZ.ZZ9- | ***,***,***,***9.99- | **,**,***9 |
| LUF | "LUF " | 0 | period | none | ZZ,ZZZ,ZZZ,ZZZ.ZZ9- | ***,***,***,***9.99- | **,**,***9 |

STR 45095-S

STR 48543-S

Table C-1. Currency Formats

| ISO Code | Desc | Dec. Places | Thous. Sep. | Dec. Point Indic. | "Z" Format | "\$" Format | "W" Format |
|----------|----------|-------------|-------------|-------------------|------------------------|-----------------------|--------------|
| LUL | "LUL " | 0 | period | none | ZZ.ZZZ.ZZZ.ZZZ.ZZ9- | ***.***.***.***.***9- | ***.***.***9 |
| LVL | "LVL " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ***.***.***.***9.99- | ***.***.***9 |
| LVR | "LVR " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ***.***.***.***9.99- | ***.***.***9 |
| LYD | "LD " | 3 | comma | period | ZZ.ZZZ.ZZZ.ZZZ.ZZ9- | ***.***.***.***9.999- | ***.***.***9 |
| MAD | "DH " | 2 | comma | period | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ***.***.***.***9.99- | ***.***.***9 |
| MDL | "MDL " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ***.***.***.***9.99- | ***.***.***9 |
| MGF | "FMG " | 0 | comma | none | ZZ.ZZZ.ZZZ.ZZZ.ZZ9- | ***.***.***.***.***9- | ***.***.***9 |
| MKD | "MKD " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ***.***.***.***9.99- | ***.***.***9 |
| MMK | "MMK " | 2 | comma | period | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ***.***.***.***9.99- | ***.***.***9 |
| MNT | "Tug " | 2 | comma | period | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ***.***.***.***9.99- | ***.***.***9 |
| MOP | "P " | 2 | comma | period | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ***.***.***.***9.99- | ***.***.***9 |
| MRO | "MrO " | 2 | comma | period | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ***.***.***.***9.99- | ***.***.***9 |
| MTL | "MTL " | 3 | period | comma | ZZ.ZZZ.ZZZ.ZZZ.ZZ9- | ***.***.***.***9.999- | ***.***.***9 |
| MUR | "MaR " | 2 | comma | period | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ***.***.***.***9.99- | ***.***.***9 |
| MVR | "MRe " | 2 | comma | period | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ***.***.***.***9.99- | ***.***.***9 |
| MWK | "MwK " | 2 | comma | period | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ***.***.***.***9.99- | ***.***.***9 |
| MXN | "Mx\$ " | 2 | comma | period | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ***.***.***.***9.99- | ***.***.***9 |
| MXP | "Mex\$ " | 0 | comma | none | ZZ.ZZZ.ZZZ.ZZZ.ZZ9- | ***.***.***.***.***9- | ***.***.***9 |
| MYR | "RM " | 2 | comma | period | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ***.***.***.***9.99- | ***.***.***9 |
| MZM | "MZM " | 2 | comma | period | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ***.***.***.***9.99- | ***.***.***9 |
| NGN | "N- " | 2 | comma | period | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ***.***.***.***9.99- | ***.***.***9 |
| NIC | "C\$ " | 2 | comma | period | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ***.***.***.***9.99- | ***.***.***9 |
| NIO | "NIO " | 2 | comma | period | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ***.***.***.***9.99- | ***.***.***9 |
| NLG | "NLG " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ***.***.***.***9.99- | ***.***.***9 |
| NOK | "NOK " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ***.***.***.***9.99- | ***.***.***9 |
| NPR | "NRs " | 2 | comma | period | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ***.***.***.***9.99- | ***.***.***9 |
| NZD | "NZ\$ " | 2 | comma | period | ZZZ.ZZZ.ZZZ.ZZZ.Z9.99- | ***.***.***.***9.99- | ***.***.***9 |
| OMR | "RO " | 3 | comma | period | ZZ.ZZZ.ZZZ.ZZZ.ZZ9- | ***.***.***.***9.999- | ***.***.***9 |
| PAB | "PaB " | 2 | comma | period | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ***.***.***.***9.99- | ***.***.***9 |
| PEI | "PEI " | 2 | comma | period | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ***.***.***.***9.99- | ***.***.***9 |
| PEN | "PEN " | 2 | comma | period | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ***.***.***.***9.99- | ***.***.***9 |
| PGK | "K " | 2 | comma | period | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ***.***.***.***9.99- | ***.***.***9 |
| PHP | "P " | 2 | comma | period | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ***.***.***.***9.99- | ***.***.***9 |
| PKR | "PKR " | 2 | comma | period | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ***.***.***.***9.99- | ***.***.***9 |

STR 45095-S

STR 48543-S

Table C-1. Currency Formats

| ISO Code | Desc | Dec. Places | Thous. Sep. | Dec. Point Indic. | "Z" Format | "\$" Format | "W" Format |
|----------|---------|-------------|-------------|-------------------|---------------------|-----------------------|------------|
| PLZ | "PLZ " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| PTE | "PTE " | 0 | period | none | ZZ.ZZZ.ZZZ.ZZZ.ZZ9- | ****.***.***.***9- | **.*.*.*9 |
| PYG | "G " | 0 | comma | none | ZZ.ZZZ.ZZZ.ZZZ.ZZ9- | ***.***.***.***9- | **.*.*.*9 |
| QAR | "QRI " | 2 | comma | period | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| ROL | "ROL " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| RUR | "RUR " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| RWF | "RF " | 0 | comma | none | ZZ.ZZZ.ZZZ.ZZZ.ZZ9- | ***.***.***.***9- | **.*.*.*9 |
| SAR | "SR1 " | 2 | comma | period | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| SBD | "SI\$ " | 2 | comma | period | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| SCR | "SRs " | 2 | comma | period | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| SDD | "SDD " | 2 | comma | period | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| SDP | "£S " | 2 | comma | period | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| SEK | "SEK " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| SGD | "S\$ " | 2 | comma | period | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| SHP | "SHP " | 2 | comma | period | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| SIT | "SIT " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| SKK | "SKK " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| SLL | "Le " | 2 | comma | period | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| SOK | "SOK " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| SOS | "SoS " | 2 | comma | period | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| SRG | "Su f " | 2 | comma | period | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| STD | "Db " | 2 | comma | period | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| SUR | "SUR " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| SVC | "SVC " | 2 | comma | period | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| SYP | "£Sy " | 2 | comma | period | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| SZL | "E " | 2 | comma | period | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| THB | "Bht " | 2 | comma | period | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| TMM | "TMM " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| TND | "TuD " | 3 | comma | period | ZZ.ZZZ.ZZZ.ZZZ.ZZ9- | ***.***.***.***9.99- | **.*.*.*9 |
| TOP | "T\$ " | 2 | comma | period | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| TPE | "TPE " | 0 | comma | none | ZZ.ZZZ.ZZZ.ZZZ.ZZ9- | ***.***.***.***9- | **.*.*.*9 |
| TRL | "TL " | 2 | comma | period | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| TTD | "TT\$ " | 2 | comma | period | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |
| TWD | "NT\$ " | 2 | comma | period | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****.***.***.***9.99- | **.*.*.*9 |

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STR 48543-S

Table C-1. Currency Formats

| ISO Code | Desc | Dec. Places | Thous. Sep. | Dec. Point Indic. | "Z" Format | "\$" Format | "W" Format |
|----------|---------|-------------|-------------|-------------------|---------------------|-----------------------|------------|
| TZS | "TSh " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,**9 |
| UAK | "UAK " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****,***,***,***9.99- | **,***,**9 |
| UGS | "USh " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,**9 |
| UGX | "UGX " | 0 | comma | none | ZZ,ZZZ,ZZZ,ZZZ,ZZ9- | ***,***,***,***,***9- | **,***,**9 |
| USD | "US\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,**9 |
| USN | "US\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,**9 |
| USS | "US\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,**9 |
| UYU | "N\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,**9 |
| UYU | "UYU " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,**9 |
| VEB | "Bs. " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****,***,***,***9.99- | **,***,**9 |
| VND | "VND " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,**9 |
| VUV | "VUV " | 0 | comma | none | ZZ,ZZZ,ZZZ,ZZZ,ZZ9- | ***,***,***,***,***9- | **,***,**9 |
| WST | "WST " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,**9 |
| XAF | "CAF " | 0 | comma | none | ZZ,ZZZ,ZZZ,ZZZ,ZZ9- | ***,***,***,***,***9- | **,***,**9 |
| XCD | "EC\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,**9 |
| XEU | "XEU " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****,***,***,***9.99- | **,***,**9 |
| XOF | "CAF " | 0 | comma | none | ZZ,ZZZ,ZZZ,ZZZ,ZZ9- | ***,***,***,***,***9- | **,***,**9 |
| XPF | "CPF " | 0 | comma | none | ZZ,ZZZ,ZZZ,ZZZ,ZZ9- | ***,***,***,***,***9- | **,***,**9 |
| XXX | " " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,**9 |
| YDD | "SYD " | 3 | comma | period | ZZ,ZZZ,ZZZ,ZZZ,ZZ9- | ***,***,***,***9.999- | **,***,**9 |
| YER | "YRI " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,**9 |
| YUD | "YUD " | 0 | period | none | ZZ.ZZZ.ZZZ.ZZZ,ZZ9- | ***,***,***,***,***9- | **,***,**9 |
| YUN | "YUN " | 2 | period | comma | ZZZ.ZZZ.ZZZ.ZZZ.Z9- | ****,***,***,***9.99- | **,***,**9 |
| ZAL | "R " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,**9 |
| ZAR | "R " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,**9 |
| ZMK | "ZMK " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,**9 |
| ZRN | "ZRN " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,**9 |
| ZRZ | "Z " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,**9 |
| ZWD | "Z\$ " | 2 | comma | period | ZZZ,ZZZ,ZZZ,ZZZ.Z9- | ****,***,***,***9.99- | **,***,**9 |

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C.2 Date Formatting

In Global ICC, there are two types of dates: pre-formatted and unformatted.

Pre-formatted Dates

Pre-formatted dates are used only in Transaction Journal (TJ) screens (all in Chapter 4). A pre-formatted date shows and prints only a day and month. These are specified to have a length of five characters. This is to be displayed *exactly* as it is received, without additional reformatting. The application cannot determine the order in which the date and month have been sent. It is assumed that the pre-formatted date received contains the full five (5) characters (for example, "01/01" or "12-12").

Unformatted Dates

Unformatted dates are formatted for display based on the language of the session. In all languages, dates are displayed in the format "DD MMM YYYY" (for example, 09 Jan 1996).

For TJ, unformatted dates are formatted as "DD/MM".

Other than TJ, unformatted dates are expected in all circumstances in which a date is specified in the APS.

Table C-2 shows the abbreviation that should be used for each month, for both screen display and for printed records. The abbreviations for the remaining Global ICC languages can be found in their respective Global ICC Language Screen by Phrase reports.

STR 44878-S

STR 44466-S

Table C-2. Month Abbreviations (English)

| Language | Month | Screen Abbrev. | Print Record Abbrev. |
|----------|-----------|----------------|----------------------|
| English | January | Jan | JAN |
| | February | Feb | FEB |
| | March | Mar | MAR |
| | April | Apr | APR |
| | May | May | MAY |
| | June | Jun | JUN |
| | July | Jul | JUL |
| | August | Aug | AUG |
| | September | Sep | SEP |
| | October | Oct | OCT |
| | November | Nov | NOV |
| | December | Dec | DEC |

C.3 Product Term Formatting

Balance Inquiry screens may display the Product Term field (7261) for the Time Deposits Product Category (see Table 6-1). This explains how this field is to be formatted.

Format the Product Term using the following elements from the Message 4501 response:

- Product Term (elemid 7261)
- Period Code (elemid 8401)

If Product Term = 1, based on the Period Code, display:

- 1 = "Z9 Day"
- 2 = "Z9 Week"
- 3 = "Z9 Month"
- 4 = "Z9 Year"

If Product Term > 1, based on the Period Code, display:

- 1 = "ZZ9 Days"
- 2 = "ZZ9 Weeks"
- 3 = "ZZ9 Months"
- 4 = "ZZ9 Years"

STR 44816-S
STR 48209-S

C.4 Interest Rate Formatting

Balance Inquiry screens may display interest rates (for examples, element IDs 7600, 7612). These rates are received from the FEP as a string of six to 12 characters long with four implied decimal places. They are displayed in screens based on the account currency code as follows:

ZZ,ZZZ,ZZ9.9999% for account currency code with period (".") as the decimal separator

ZZ.ZZZ.ZZ9,9999% for account currency code with comma (",") as the decimal separator

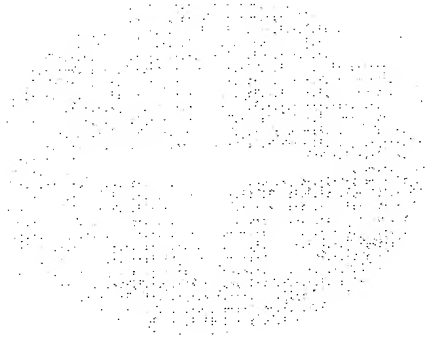
For example, if the FEP returns the value 356000 for a US\$ loan, the screen display will be 35.6000%.

Appendix D

ICC Cash Dispense Algorithm

When Global ICC is installed in a business that offers CAT services to its own customers, the On-Us Cash Dispense Algorithm is modified to indicate the amount selections that should be offered to ICC customers. Normally, these amounts are a subset of the amounts and bill mixes defined for the On-Us application.

For standalone ICC installations, the cash dispense algorithm must be specified independently of any other algorithm based on the currency and bill types to be dispensed at each standalone configuration.



Appendix E

Logging Information

The CAT applications maintain logs of all sessions and transactions. For each customer session, a start session record and an end session record are logged. In addition, each individual transaction is logged at its conclusion, whether or not it succeeds.

All places in which logs are updated are explicitly noted in the flowcharts, with the exception of exits and timeouts during a transaction. Whenever these occur, a log message should be generated with an appropriate completion code signifying that the transaction was terminated by either exit or timeout.

Application logs may be displayed via the CAT Peruse Utility through a separate terminal.

Each record logged by the application has a fixed format. Table E-1 shows which data elements are written to the log for each transaction.

Table E-1. Elements to Log

| Element to Log | Withdrawal | Balance Inquiry and TJ | Transfer |
|-------------------------|------------|------------------------|----------|
| Message Sequence Number | X | X | X |
| Terminal ID | X | X | X |
| Card Number | X | X | X |
| Transaction Date | X | X | X |
| Transaction Time | X | X | X |
| Transaction Type | X | X | X |

Table E-1. Elements to Log (cont)

| Element to Log | Withdrawal | Balance Inquiry and TJ | Transfer |
|-------------------------------|-------------------|-------------------------------|-----------------|
| Source Account Number | X | X | X |
| Source Product Type Code | X | X | X |
| Source Currency Code | X | X | X |
| Transaction Amount | X | | X |
| Transaction Currency Code | X | | X |
| Transaction Currency Type | X | | |
| Destination Account Number | | | X |
| Destination Product Type Code | | | X |
| Destination Currency Code | | | X |
| Host Response Code | X | X | X |
| Action Code | X | X | X |
| Completion Code | X | X | X |
| Completion Reason Code | X | X | X |

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